

Supplemental Table S1: All Included Studies

PMID	Article Title	Authors	Year
18589176	Therapeutic effects of bone marrow-derived mesenchymal stem cells engraftment on bleomycin-induced lung injury in rats.	Zhao, F; Zhang, YF; Liu, YG; Zhou, JJ; Li, ZK; Wu, CG; Qi, HW	2008
18591765	Enhancement of antioxidant defense system by epigallocatechin-3-gallate during bleomycin induced experimental pulmonary fibrosis.	Sriram, N; Kalayarasan, S; Sudhandiran, G	2008
18598692	Antifibrotic action of pirfenidone and prednisolone: different effects on pulmonary cytokines and growth factors in bleomycin-induced murine pulmonary fibrosis.	Oku H1, Shimizu T, Kawabata T, Nagira M, Hikita I, Ueyama A, Matsushima S, Torii M, Arimura A.	2008
18602243	Attenuation effects of heparin-superoxide dismutase conjugate on bleomycin-induced lung fibrosis in vivo and radiation-induced inflammatory cytokine expression in vitro.	Liu, J; Wang, X; Wang, F; Teng, L; Cao, J	2009
18614556	Effects of edaravone, a free-radical scavenger, on bleomycin-induced lung injury in mice.	Tajima, S; Bando, M; Ishii, Y; Hosono, T; Yamasawa, H; Ohno, S; Takada, T; Suzuki, E; Gejyo, F; Sugiyama, Y	2008
18638383	Overexpression of cathepsin K in mice decreases collagen deposition and lung resistance in response to bleomycin-induced pulmonary fibrosis.	Kinoshita, K; Aono, Y; Azuma, M; Kishi, J; Takezaki, A; Kishi, M; Makino, H; Okazaki, H; Uehara, H; Izumi, K; Sone, S; Nishioka, Y	2008
18655842	Biphasic effects of free radical scavengers against bleomycin-induced pulmonary fibrosis.	Fujita, M; Mizuta, Y; Ikegame, S; Ouchi, H; Ye, Q; Harada, E; Inoshima, I; Yoshimi, M; Watanabe, K; Nakanishi, Y	2008
18658275	Dysregulation of lung injury and repair in moesin-deficient mice treated with intratracheal bleomycin.	Hashimoto, S; Amaya, F; Matsuyama, H; Ueno, H; Kikuchi, S; Tanaka, M; Watanabe, Y; Ebina, M; Ishizaka, A; Tsukita, S; Hashimoto, S	2008
18684219	Attenuation of bleomycin-induced lung fibrosis by oxymatrine is associated with regulation of fibroblast proliferation and collagen production in primary culture.	Chen, X; Sun, R; Hu, J; Mo, Z; Yang, Z; Liao, D; Zhong, N	2008
18703794	The adenosine a2a receptor inhibits matrix-induced inflammation in a novel fashion.	Scheibner, KA; Boodoo, S; Collins, S; Black, KE; Chan-Li, Y; Zarek, P; Powell, JD; Horton, MR	2009
18713087	Recombinant human erythropoietin reduces epithelial cell apoptosis and attenuates bleomycin-induced pneumonitis in mice.	Yoshimi, M; Maeyama, T; Yamada, M; Hamada, N; Fukumoto, J; Kawaguchi, T; Kuwano, K; Nakanishi, Y	2008
18785980	Inhibitory effect of emodin on bleomycin-induced pulmonary fibrosis in mice.	Chen, XH; Sun, RS; Hu, JM; Mo, ZY; Yang, ZF; Jin, GY; Guan, WD; Zhong, NS	2009
18811877	Effects of Th2 pulmonary inflammation in mice with bleomycin-induced pulmonary fibrosis.	Hirata, H; Arima, M; Fukushima, Y; Ishii, Y; Tokuhisa, T; Fukuda, T	2008
18832650	Suplatast tosilate prevents bleomycin-induced pulmonary fibrosis in mice.	Furonaka, M; Hattori, N; Tanimoto, T; Senoo, T; Ishikawa, N; Fujitaka, K; Haruta, Y; Yokoyama, A; Kohno, N	2009
18836137	Role of the chemokine receptor CXCR2 in bleomycin-induced pulmonary inflammation and fibrosis.	Russo, RC; Guabiraba, R; Garcia, CC; Barcelos, LS; Roffê, E; Souza, AL;	2009

		Amaral, FA; Cisalpino, D; Cassali, GD; Doni, A; Bertini, R; Teixeira, MM	
18975313	CD19 regulates the development of bleomycin-induced pulmonary fibrosis in a mouse model.	Komura, K; Yanaba, K; Horikawa, M; Ogawa, F; Fujimoto, M; Tedder, TF; Sato, S	2008
18976720	VEGFR-2 antagonist SU5416 attenuates bleomycin-induced pulmonary fibrosis in mice.	Ou, XM; Li, WC; Liu, DS; Li, YP; Wen, FQ; Feng, YL; Zhang, SF; Huang, XY; Wang, T; Wang, K; Wang, X; Chen, L	2009
19011156	Insulin-like growth factor-I receptor blockade improves outcome in mouse model of lung injury.	Choi, JE; Lee, SS; Sunde, DA; Huizar, I; Haugk, KL; Thannickal, VJ; Vittal, R; Plymate, SR; Schnapp, LM	2009
19059888	16,16-Dimethyl prostaglandin E2 efficacy on prevention and protection from bleomycin-induced lung injury and fibrosis.	Failla, M; Genovese, T; Mazzon, E; Fruciano, M; Fagone, E; Gili, E; Barera, A; La Rosa, C; Conte, E; Crimi, N; Cuzzocrea, S; Vancheri, C	2009
19080365	Simvastatin attenuates bleomycin-induced pulmonary fibrosis in mice.	Ou, XM; Feng, YL; Wen, FQ; Huang, XY; Xiao, J; Wang, K; Wang, T	2008
19083398	Lycopene from tomatoes partially alleviates the bleomycin-induced experimental pulmonary fibrosis in rats.	Zhou, C; Han, W; Zhang, P; Cai, M; Wei, D; Zhang, C	2008
19097987	Carbon monoxide modulates alpha-smooth muscle actin and small proline rich-1a expression in fibrosis.	Zheng, L; Zhou, Z; Lin, L; Alber, S; Watkins, S; Kaminski, N; Choi, AM; Morse, D	2009
19099094	Influence of a DNA-hsp65 vaccine on bleomycin-induced lung injury.	Padua, AI; Silva, CL; Ramos, SG; Faccioli, LH; Martinez, JA	2008
19104148	Epithelial cell alpha3beta1 integrin links beta-catenin and Smad signaling to promote myofibroblast formation and pulmonary fibrosis.	Kim, KK; Wei, Y; Szekeres, C; Kugler, MC; Wolters, PJ; Hill, ML; Frank, JA; Brumwell, AN; Wheeler, SE; Kreidberg, JA; Chapman, HA	2009
19109203	Targeting TLR2 attenuates pulmonary inflammation and fibrosis by reversion of suppressive immune microenvironment.	Yang, HZ; Cui, B; Liu, HZ; Chen, ZR; Yan, HM; Hua, F; Hu, ZW	2009
19118846	Exacerbation of bleomycin-induced injury and fibrosis by pneumonectomy in the residual lung of mice.	Kakizaki, T; Kohno, M; Watanabe, M; Tajima, A; Izumi, Y; Miyasho, T; Tasaka, S; Fukunaga, K; Maruyama, I; Ishizaka, A; Kobayashi, K	2009
19154443	Roflumilast, a phosphodiesterase 4 inhibitor, alleviates bleomycin-induced lung injury.	Cortijo, J; Iranzo, A; Milara, X; Mata, M; Cerdá-Nicolás, M; Ruiz-Saurí, A; Tenor, H; Hatzelmann, A; Morcillo, EJ	2009
19213772	Gelsolin expression is necessary for the development of modelled pulmonary inflammation and fibrosis.	Oikonomou, N; Thanasopoulou, A; Tzouvelekis, A; Harokopos, V; Paparountas, T; Nikitopoulou, I; Witke, W; Karameris, A; Kotanidou, A; Bouros, D; Aidinis, V	2009
19226616	Role of protease activated receptor 2 in experimental acute lung injury and lung fibrosis.	Su, X; Matthay, MA	2009
19234103	Prominin-1/CD133+ lung epithelial progenitors protect from bleomycin-induced pulmonary fibrosis.	Germano, D; Blyszczuk, P; Valaperti, A; Kania, G; Dirnhofer, S; Landmesser, U; Lüscher, TF; Hunziker, L; Zulewski, H; Eriksson, U	2009
19254480	The effects of aerosolized STAT1 antisense oligodeoxynucleotides on rat pulmonary fibrosis.	Wang, WJ; Liao, B; Zeng, M; Zhu, C; Fan, XM	2009

19265174	Role of proinflammatory cytokines IL-18 and IL-1beta in bleomycin-induced lung injury in humans and mice.	Hoshino, T; Okamoto, M; Sakazaki, Y; Kato, S; Young, HA; Aizawa, H	2009
19287097	WNT1-inducible signaling protein-1 mediates pulmonary fibrosis in mice and is upregulated in humans with idiopathic pulmonary fibrosis.	Königshoff, M; Kramer, M; Balsara, N; Wilhelm, J; Amarie, OV; Jahn, A; Rose, F; Fink, L; Seeger, W; Schaefer, L; Günther, A; Eickelberg, O	2009
19324956	Minimally cultured bone marrow mesenchymal stem cells ameliorate fibrotic lung injury.	Kumamoto, M; Nishiwaki, T; Matsuo, N; Kimura, H; Matsushima, K	2009
19349363	Notch1 signaling in FIZZ1 induction of myofibroblast differentiation.	Liu, T; Hu, B; Choi, YY; Chung, M; Ullenbruch, M; Yu, H; Lowe, JB; Phan, SH	2009
19359440	Use of senescence-accelerated mouse model in bleomycin-induced lung injury suggests that bone marrow-derived cells can alter the outcome of lung injury in aged mice.	Ahluwalia, N; Grasberger, PE; Mugo, BM; Feghali-Bostwick, C; Pardo, A; Selman, M; Lagares, D; Tager, AM	2009
19380784	ATLa, an aspirin-triggered lipoxin A4 synthetic analog, prevents the inflammatory and fibrotic effects of bleomycin-induced pulmonary fibrosis.	Martins, V; Valença, SS; Farias-Filho, FA; Molinaro, R; Simões, RL; Ferreira, TP; e Silva, PM; Hogaboam, CM; Kunkel, SL; Fierro, IM; Canetti, C; Benjamim, CF	2009
19381349	Vesnarinone represses the fibrotic changes in murine lung injury induced by bleomycin.	Inage, M; Nakamura, H; Saito, H; Abe, S; Hino, T; Takabatake, N; Terashita, K; Ogura, M; Kato, S; Hosokawa, T; Sata, M; Tomoike, H	2009
19460787	Effects of a leukotriene B4 receptor antagonist on bleomycin-induced pulmonary fibrosis.	Izumo, T; Kondo, M; Nagai, A	2009
19497426	Epigallocatechin-3-gallate exhibits anti-fibrotic effect by attenuating bleomycin-induced glycoconjugates, lysosomal hydrolases and ultrastructural changes in rat model pulmonary fibrosis.	Sriram, N; Kalayarasan, S; Sudhandiran, G	2009
19497992	Human umbilical cord mesenchymal stem cells reduce fibrosis of bleomycin-induced lung injury.	Moodley, Y; Atienza, D; Manuelpillai, U; Samuel, CS; Tchongue, J; Ilancheran, S; Boyd, R; Trounson, A	2009
19498056	Overexpression of fibroblast growth factor-10 during both inflammatory and fibrotic phases attenuates bleomycin-induced pulmonary fibrosis in mice.	Gupte, VV; Ramasamy, SK; Reddy, R; Lee, J; Weinreb, PH; Violette, SM; Guenther, A; Warburton, D; Driscoll, B; Minoo, P; Bellusci, S	2009
19552800	Blockade of advanced glycation end product formation attenuates bleomycin-induced pulmonary fibrosis in rats.	Chen, L; Wang, T; Wang, X; Sun, BB; Li, JQ; Liu, DS; Zhang, SF; Liu, L; Xu, D; Chen, YJ; Wen, FQ	2009
19574719	The anti-fibrotic agent SMP-534 attenuates bleomycin-induced pulmonary fibrosis in hamsters.	Tsujimura, T; Ono-Kishino, M; Nagamine, J; Sugaru, E; Tokunaga, T; Kitoh, M; Nagata, R; Nakagawa, T; Taiji, M	2009
19622228	Transplantation of allogeneic and xenogeneic placenta-derived cells reduces bleomycin-induced lung fibrosis.	Cargnoni, A; Gibelli, L; Tosini, A; Signoroni, PB; Nassuato, C; Arienti, D; Lombardi, G; Albertini, A; Wengler, GS; Parolini, O	2009
19643175	Inhibitory effects of citrus extracts on the experimental pulmonary fibrosis.	Zhou, XM; Huang, MM; He, CC; Li, JX	2009

19652365	Increased local expression of coagulation factor X contributes to the fibrotic response in human and murine lung injury.	Scotton, CJ; Krupiczajc, MA; Königshoff, M; Mercer, PF; Lee, YC; Kaminski, N; Morser, J; Post, JM; Maher, TM; Nicholson, AG; Moffatt, JD; Laurent, GJ; Derian, CK; Eickelberg, O; Chambers, RC	2009
19672658	Effects of IS-741, a synthetic anti-inflammatory agent, on bleomycin-induced lung injury in mice.	Shimaoka, Y; Tajima, S; Fujimori, F; Yamabayashi, C; Moriyama, H; Terada, M; Takada, T; Suzuki, E; Bando, M; Sugiyama, Y; Narita, I	2009
19740258	Rolipram attenuates bleomycin A5-induced pulmonary fibrosis in rats.	Pan, JB; Hou, YH; Zhang, GJ	2009
19757088	Anti-fibrotic effect of thalidomide through inhibiting TGF-beta-induced ERK1/2 pathways in bleomycin-induced lung fibrosis in mice.	Choe, JY; Jung, HJ; Park, KY; Kum, YS; Song, GG; Hyun, DS; Park, SH; Kim, SK	2011
19758434	Protective effect of geranylgeranylacetone, an inducer of heat shock protein 70, against drug-induced lung injury/fibrosis in an animal model.	Fujibayashi, T; Hashimoto, N; Jijiwa, M; Hasegawa, Y; Kojima, T; Ishiguro, N	2009
19767876	Hydrogen sulfide attenuates the pathogenesis of pulmonary fibrosis induced by bleomycin in rats.	Fang, L; Li, H; Tang, C; Geng, B; Qi, Y; Liu, X	2009
19817697	Wnt pathway in pulmonary fibrosis in the bleomycin mouse model.	Liu, L; Carron, B; Yee, HT; Yie, TA; Hajjou, M; Rom, W	2009
19842838	Extracorporeal photopheresis in a rat model of pulmonary fibrosis.	Remund K1, Rechsteiner T, Guo Z, Hofer M, Boehler A.	2009
19877032	A novel inhibitor of Smad-dependent transcriptional activation suppresses tissue fibrosis in mouse models of systemic sclerosis.	Hasegawa, M; Matsushita, Y; Horikawa, M; Higashi, K; Tomigahara, Y; Kaneko, H; Shirasaki, F; Fujimoto, M; Takehara, K; Sato, S	2009
19884654	Mfge8 diminishes the severity of tissue fibrosis in mice by binding and targeting collagen for uptake by macrophages.	Atabai, K; Jame, S; Azhar, N; Kuo, A; Lam, M; McKleroy, W; Dehart, G; Rahman, S; Xia, DD; Melton, AC; Wolters, P; Emson, CL; Turner, SM; Werb, Z; Sheppard, D	2009
19893044	Matrilysin (Matrix Metalloproteinase-7) regulates anti-inflammatory and antifibrotic pulmonary dendritic cells that express CD103 (alpha(E)beta(7)-integrin).	Manicone, AM; Huizar, I; McGuire, JK	2009
19909737	Neferine, a bisbenzylisoquinoline alkaloid attenuates bleomycin-induced pulmonary fibrosis.	Zhao, L; Wang, X; Chang, Q; Xu, J; Huang, Y; Guo, Q; Zhang, S; Wang, W; Chen, X; Wang, J	2010
19915156	Amphiregulin attenuates bleomycin-induced pneumopathy in mice.	Fukumoto, J; Harada, C; Kawaguchi, T; Suetsugu, S; Maeyama, T; Inoshima, I; Hamada, N; Kuwano, K; Nakanishi, Y	2010
19931426	Improvement of bleomycin-induced pulmonary hypertension and pulmonary fibrosis by the endothelin receptor antagonist Bosentan.	Schroll, S; Arzt, M; Sebah, D; Nüchterlein, M; Blumberg, F; Pfeifer, M	2010
19945540	Phosphodiesterase-5 inhibition by sildenafil citrate in a rat model of bleomycin-induced lung fibrosis.	Yildirim, A; Ersoy, Y; Ercan, F; Atukeren, P; Gumustas, K; Uslu, U; Alican, I	2010

19956603	Bone marrow stem cells expressing keratinocyte growth factor via an inducible lentivirus protects against bleomycin-induced pulmonary fibrosis.	Aguilar, S; Scotton, CJ; McNulty, K; Nye, E; Stamp, G; Laurent, G; Bonnet, D; Janes, SM	2009
19959748	3-(2,4-dichlorophenyl)-4-(1-methyl-1H-indol-3-yl)-1H-pyrrole-2,5-dione (SB216763), a glycogen synthase kinase-3 inhibitor, displays therapeutic properties in a mouse model of pulmonary inflammation and fibrosis.	Gurrieri, C; Piazza, F; Gnoato, M; Montini, B; Biasutto, L; Gattazzo, C; Brunetta, E; Cabrelle, A; Cinetto, F; Niero, R; Facco, M; Garbisa, S; Calabrese, F; Semenzato, G; Agostini, C	2010
19966781	Prostaglandin F(2alpha) receptor signaling facilitates bleomycin-induced pulmonary fibrosis independently of transforming growth factor-beta.	Oga, T; Matsuoka, T; Yao, C; Nonomura, K; Kitaoka, S; Sakata, D; Kita, Y; Tanizawa, K; Taguchi, Y; Chin, K; Mishima, M; Shimizu, T; Narumiya, S	2009
19995276	Effects of elastase inhibitor on the epithelial cell apoptosis in bleomycin-induced pulmonary fibrosis.	Song, JS; Kang, CM; Rhee, CK; Yoon, HK; Kim, YK; Moon, HS; Park, SH	2009
20034962	Therapeutic effect of lecithinized superoxide dismutase on bleomycin-induced pulmonary fibrosis.	Tanaka, K; Ishihara, T; Azuma, A; Kudoh, S; Ebina, M; Nukiwa, T; Sugiyama, Y; Tasaka, Y; Namba, T; Ishihara, T; Sato, K; Mizushima, Y; Mizushima, T	2010
20061443	Curcumin inhibits fibrosis-related effects in IPF fibroblasts and in mice following bleomycin-induced lung injury.	Smith, MR; Gangireddy, SR; Narala, VR; Hogaboam, CM; Standiford, TJ; Christensen, PJ; Kondapi, AK; Reddy, RC	2010
20090941	Therapeutic efficacy of Cintredekin Besudotox (IL13-PE38QQR) in murine lung fibrosis is unaffected by immunity to Pseudomonas aeruginosa exotoxin A.	Rosada, RS; Moreira, AP; Frantz, FG; Puri, RK; Rahman, A; Standiford, TJ; Zárate-Bladés, CR; Silva, CL; Hogaboam, CM	2010
20137099	Modulation of cytokine and nitric oxide by mesenchymal stem cell transfer in lung injury/fibrosis.	Lee, SH; Jang, AS; Kim, YE; Cha, JY; Kim, TH; Jung, S; Park, SK; Lee, YK; Won, JH; Kim, YH; Park, CS	2010
20142499	Loss of myeloid cell-derived vascular endothelial growth factor accelerates fibrosis.	Stockmann, C; Kerdiles, Y; Nomaksteinsky, M; Weidemann, A; Takeda, N; Doedens, A; Torres-Collado, AX; Iruela-Arispe, L; Nizet, V; Johnson, RS	2010
20185751	Latent herpesvirus infection augments experimental pulmonary fibrosis.	Vannella, KM; Luckhardt, TR; Wilke, CA; van Dyk, LF; Toews, GB; Moore, BB	2010
20298567	Nrf2 protects against pulmonary fibrosis by regulating the lung oxidant level and Th1/Th2 balance.	Kikuchi, N; Ishii, Y; Morishima, Y; Yageta, Y; Haraguchi, N; Itoh, K; Yamamoto, M; Hizawa, N	2010
20300636	Serum amyloid P therapeutically attenuates murine bleomycin-induced pulmonary fibrosis via its effects on macrophages.	Murray, LA; Rosada, R; Moreira, AP; Joshi, A; Kramer, MS; Hesson, DP; Argentieri, RL; Mathai, S; Gulati, M; Herzog, EL; Hogaboam, CM	2010
20302663	A prostacyclin analogue, iloprost, protects from bleomycin-induced pulmonary fibrosis in mice.	Zhu, Y; Liu, Y; Zhou, W; Xiang, R; Jiang, L; Huang, K; Xiao, Y; Guo, Z; Gao, J	2010
20348281	Fibroblast-specific expression of AC6 enhances beta-adrenergic and prostacyclin	Ishikawa, K; Sakai, T; Saito-Shono, T; Miyawaki, M; Osoegawa, A; Sugio, K; Ono, A; Mori, H; Nishida, H;	2010

	signaling and blunts bleomycin-induced pulmonary fibrosis.	Yokoyama, S; Okamoto, O; Fujiwara, S; Hatano, Y	
20359365	Attenuation of fibrosis in vitro and in vivo with SPARC siRNA.	Wang, JC; Lai, S; Guo, X; Zhang, X; de Crombrughe, B; Sonnylal, S; Arnett, FC; Zhou, X	2010
20388759	Suppression of plasminogen activator inhibitor-1 by RNA interference attenuates pulmonary fibrosis.	Senoo, T; Hattori, N; Tanimoto, T; Furonaka, M; Ishikawa, N; Fujitaka, K; Haruta, Y; Murai, H; Yokoyama, A; Kohno, N	2010
20395561	A role for dendritic cells in bleomycin-induced pulmonary fibrosis in mice?	Bantsimba-Malanda, C; Marchal-Sommé, J; Goven, D; Freynet, O; Michel, L; Crestani, B; Soler, P	2010
20410070	Caveolin-1 regulates leucocyte behaviour in fibrotic lung disease.	Tourkina, E; Richard, M; Oates, J; Hofbauer, A; Bonner, M; Gööz, P; Visconti, R; Zhang, J; Znoyko, S; Hatfield, CM; Silver, RM; Hoffman, S	2010
20444277	Effects of phosphodiesterase 4 inhibition on bleomycin-induced pulmonary fibrosis in mice.	Udalov, S; Dumitrascu, R; Pullamsetti, SS; Al-tamari, HM; Weissmann, N; Ghofrani, HA; Guenther, A; Voswinckel, R; Seeger, W; Grimminger, F; Schermuly, RT	2010
20457270	Effect of inhaled KP-496, a novel dual antagonist of the cysteinyl leukotriene and thromboxane A2 receptors, on a bleomycin-induced pulmonary fibrosis model in mice.	Kurokawa, S; Suda, M; Okuda, T; Miyake, Y; Matsumura, Y; Ishimura, M; Saito, R; Nakamura, T	2010
20463180	Role of lung apolipoprotein A-I in idiopathic pulmonary fibrosis: antiinflammatory and antifibrotic effect on experimental lung injury and fibrosis.	Kim, TH; Lee, YH; Kim, KH; Lee, SH; Cha, JY; Shin, EK; Jung, S; Jang, AS; Park, SW; Uh, ST; Kim, YH; Park, JS; Sin, HG; Youm, W; Koh, ES; Cho, SY; Paik, YK; Rhim, TY; Park, CS	2010
20471860	Inhibition of bleomycin-induced pulmonary fibrosis through pre-treatment with collagen type V.	Braun, RK; Martin, A; Shah, S; Iwashima, M; Medina, M; Byrne, K; Sethupathi, P; Wigfield, CH; Brand, DD; Love, RB	2010
20484822	Inhibition of pulmonary fibrosis in mice by CXCL10 requires glycosaminoglycan binding and syndecan-4.	Jiang, D; Liang, J; Campanella, GS; Guo, R; Yu, S; Xie, T; Liu, N; Jung, Y; Homer, R; Meltzer, EB; Li, Y; Tager, AM; Goetinck, PF; Luster, AD; Noble, PW	2010
20490597	Mizoribine protects against bleomycin-induced lung injury.	Matsui, K; Ueda, H; Terada, M; Azuma, N; Okamura, H; Sano, H	2010
20498529	Inhibitory effect of CXC chemokine receptor 4 antagonist AMD3100 on bleomycin induced murine pulmonary fibrosis.	Song, JS; Kang, CM; Kang, HH; Yoon, HK; Kim, YK; Kim, KH; Moon, HS; Park, SH	2010
20501949	The antifibrotic effects of plasminogen activation occur via prostaglandin E2 synthesis in humans and mice.	Bauman, KA; Wettlaufer, SH; Okunishi, K; Vannella, KM; Stoolman, JS; Huang, SK; Courey, AJ; White, ES; Hogaboam, CM; Simon, RH; Toews, GB; Sisson, TH; Moore, BB; Peters-Golden, M	2010
20510675	A phosphoinositide 3-kinase-gamma inhibitor, AS605240 prevents bleomycin-induced pulmonary fibrosis in rats.	Wei, X; Han, J; Chen, ZZ; Qi, BW; Wang, GC; Ma, YH; Zheng, H; Luo, YF; Wei, YQ; Chen, LJ	2010

20510684	A further investigation concerning correlation between anti-fibrotic effect of liposomal quercetin and inflammatory cytokines in pulmonary fibrosis.	Baowen, Q; Yulin, Z; Xin, W; Wenjing, X; Hao, Z; Zhizhi, C; Xingmei, D; Xia, Z; Yuquan, W; Lijuan, C	2010
20513440	Heat shock protein 70 protects against bleomycin-induced pulmonary fibrosis in mice.	Tanaka, K; Tanaka, Y; Namba, T; Azuma, A; Mizushima, T	2010
20522787	Extracellular ATP is a danger signal activating P2X7 receptor in lung inflammation and fibrosis.	Riteau, N; Gasse, P; Fauconnier, L; Gombault, A; Couegnat, M; Fick, L; Kanellopoulos, J; Quesniaux, VF; Marchand-Adam, S; Crestani, B; Ryffel, B; Couillin, I	2010
20522792	Human amnion epithelial cell transplantation abrogates lung fibrosis and augments repair.	Moodley, Y; Ilancheran, S; Samuel, C; Vaghjiani, V; Atienza, D; Williams, ED; Jenkin, G; Wallace, E; Trounson, A; Manuelpillai, U	2010
20550546	Effect of an immunotoxin to folate receptor beta on bleomycin-induced experimental pulmonary fibrosis.	Nagai, T; Tanaka, M; Hasui, K; Shirahama, H; Kitajima, S; Yonezawa, S; Xu, B; Matsuyama, T	2010
20576117	The cationic amino acid transporter 2 is induced in inflammatory lung models and regulates lung fibrosis.	Niese, KA; Chiaramonte, MG; Ellies, LG; Rothenberg, ME; Zimmermann, N	2010
20581099	Thrombospondin-1-deficient mice are not protected from bleomycin-induced pulmonary fibrosis.	Ezzie, ME; Piper, MG; Montague, C; Newland, CA; Opalek, JM; Baran, C; Ali, N; Brigstock, D; Lawler, J; Marsh, CB	2011
20581171	The angiotensin-converting enzyme 2/angiogenesis-(1-7)/Mas axis confers cardiopulmonary protection against lung fibrosis and pulmonary hypertension.	Shenoy, V; Ferreira, AJ; Qi, Y; Fraga-Silva, RA; Díez-Freire, C; Dooies, A; Jun, JY; Sriramula, S; Mariappan, N; Pourang, D; Venugopal, CS; Francis, J; Reudelhuber, T; Santos, RA; Patel, JM; Raizada, MK; Katovich, MJ	2010
20606314	Antedrug budesonide by intrapulmonary treatment attenuates bleomycin-induced lung injury in rats with minimal systemic adverse effects.	Kohno, M; Haramoto, M; Nakajima, O; Yang, L; Hinotsu, S; Yokohira, M; Imaida, K; Kawakami, K	2010
20632823	Vasohibin attenuates bleomycin induced pulmonary fibrosis via inhibition of angiogenesis in mice.	Wang, X; Zhu, H; Yang, X; Bi, Y; Cui, S	2010
20643828	miR-21 mediates fibrogenic activation of pulmonary fibroblasts and lung fibrosis.	Liu, G; Friggeri, A; Yang, Y; Milosevic, J; Ding, Q; Thannickal, VJ; Kaminski, N; Abraham, E	2010
20649573	A novel, orally active LPA(1) receptor antagonist inhibits lung fibrosis in the mouse bleomycin model.	Swaney, JS; Chapman, C; Correa, LD; Stebbins, KJ; Bunday, RA; Prodanovich, PC; Fagan, P; Baccei, CS; Santini, AM; Hutchinson, JH; Seiders, TJ; Parr, TA; Prasit, P; Evans, JF; Lorrain, DS	2010
20651228	Angiotensin-converting enzyme N-terminal inactivation alleviates bleomycin-induced lung injury.	Li, P; Xiao, HD; Xu, J; Ong, FS; Kwon, M; Roman, J; Gal, A; Bernstein, KE; Fuchs, S	2010
20659133	Effect of pravastatin on bleomycin-induced acute lung injury and pulmonary fibrosis.	Kim, JW; Rhee, CK; Kim, TJ; Kim, YH; Lee, SH; Yoon, HK; Kim, SC; Lee, SY; Kwon, SS; Kim, KH; Kim, YK	2010

20660310	Inhibition of Wnt/beta-catenin/CREB binding protein (CBP) signaling reverses pulmonary fibrosis.	Henderson, WR; Chi, EY; Ye, X; Nguyen, C; Tien, YT; Zhou, B; Borok, Z; Knight, DA; Kahn, M	2010
20671305	Increased expression of 5-hydroxytryptamine2A/B receptors in idiopathic pulmonary fibrosis: a rationale for therapeutic intervention.	Königshoff, M; Dumitrascu, R; Udalov, S; Amarie, OV; Reiter, R; Grimminger, F; Seeger, W; Schermuly, RT; Eickelberg, O	2010
20686245	The ethical Kampo formulation Sho-seiryuto (TJ-19) prevents bleomycin-induced pulmonary fibrosis in rats.	Yang, CQ; Sun, PY; Ding, DZ; Moriuchi, H; Ishitsuka, Y; Irikura, M; Irie, T	2010
20686337	Effects of erlotinib on lung injury induced by intratracheal administration of bleomycin (BLM) in rats.	Adachi, K; Mizoguchi, K; Kawarada, S; Miyoshi, A; Suzuki, M; Chiba, S; Deki, T	2010
20705596	Protective effects of a bacterially expressed NIF-KGF fusion protein against bleomycin-induced acute lung injury in mice.	Li, X; Li, S; Zhang, M; Li, X; Zhang, X; Zhang, W; Li, C	2010
20709822	An essential role for resident fibroblasts in experimental lung fibrosis is defined by lineage-specific deletion of high-affinity type II transforming growth factor β receptor.	Hoyles, RK; Derrett-Smith, EC; Khan, K; Shiwen, X; Howat, SL; Wells, AU; Abraham, DJ; Denton, CP	2011
20719937	The D prostanoid receptor agonist BW245C [(4S)-(3-[(3R,S)-3-cyclohexyl-3-hydroxypropyl]-2,5-dioxo)-4-imidazolidineheptanoic acid] inhibits fibroblast proliferation and bleomycin-induced lung fibrosis in mice.	van den Brule, S; Wallemme, L; Uwambayinema, F; Huaux, F; Lison, D	2010
20815874	T regulatory cells and attenuated bleomycin-induced fibrosis in lungs of CCR7 ^{-/-} mice.	Trujillo, G; Hartigan, AJ; Hogaboam, CM	2010
20819676	Gefitinib attenuates murine pulmonary fibrosis induced by bleomycin.	Wang, P; Tian, Q; Liang, ZX; Yang, Z; Xu, SF; Sun, JP; Chen, LA	2010
20826567	Prevention of bleomycin-induced pulmonary fibrosis by a novel antifibrotic peptide with relaxin-like activity.	Pini, A; Shemesh, R; Samuel, CS; Bathgate, RA; Zauberman, A; Hermesh, C; Wool, A; Bani, D; Rotman, G	2010
20833968	Therapeutic effects of evasin-1, a chemokine binding protein, in bleomycin-induced pulmonary fibrosis.	Russo, RC; Alessandri, AL; Garcia, CC; Cordeiro, BF; Pinho, V; Cassali, GD; Proudfoot, AE; Teixeira, MM	2011
20846163	The calpain inhibitor calpeptin prevents bleomycin-induced pulmonary fibrosis in mice.	Tabata, C; Tabata, R; Nakano, T	2010
20874225	Azithromycin reduces pulmonary fibrosis in a bleomycin mouse model.	Wuyts, WA; Willems, S; Vos, R; Vanaudenaerde, BM; De Vleeschauwer, SI; Rinaldi, M; Vanhooren, HM; Geudens, N; Verleden, SE; Demedts, MG; Thomeer, M; Verbeken, EK; Verleden, GM	2010
20889544	Hypoxia-induced mitogenic factor (HIMF/FIZZ1/RELMalpha) increases lung inflammation and activates pulmonary microvascular endothelial cells via an IL-4-dependent mechanism.	Yamaji-Kegan, K; Su, Q; Angelini, DJ; Myers, AC; Cheadle, C; Johns, RA	2010
20939987	Effects of Chinese herbal medicine Shenlong Decoction on mRNA expressions	Lu, XD; Pang, LJ; Wang, LL; Nan, MH; Ma, Z	2010

	of matrix metalloproteinase-2 and tissue inhibitor of metalloproteinase-1 in lung tissue of rats with pulmonary fibrosis induced by bleomycin.		
20945375	The inhibitory effect of ginsan on TGF- β mediated fibrotic process.	Ahn, JY; Kim, MH; Lim, MJ; Park, S; Lee, SL; Yun, YS; Song, JY	2011
20958047	Luteolin ameliorates experimental lung fibrosis both in vivo and in vitro: implications for therapy of lung fibrosis.	Chen, CY; Peng, WH; Wu, LC; Wu, CC; Hsu, SL	2010
20971733	Protease-activated receptor-2 induces myofibroblast differentiation and tissue factor up-regulation during bleomycin-induced lung injury: potential role in pulmonary fibrosis.	Borensztajn, K; Bresser, P; van der Loos, C; Bot, I; van den Blink, B; den Bakker, MA; Daalhuisen, J; Groot, AP; Peppelenbosch, MP; von der Thüsen, JH; Spek, CA	2010
21063112	Acid sphingomyelinase deficiency attenuates bleomycin-induced lung inflammation and fibrosis in mice.	Dhami, R; He, X; Schuchman, EH	2010
21092408	Human amnion epithelial cells prevent bleomycin-induced lung injury and preserve lung function.	Murphy, S; Lim, R; Dickinson, H; Acharya, R; Rosli, S; Jenkin, G; Wallace, E	2011
21111848	Beneficial effects of early (but not late) intervention of heme oxygenase-1 on bleomycin-induced pulmonary fibrosis in mice.	Jin, C; Zhou, D; Lv, F	2011
21135509	Epithelium-specific deletion of TGF- β receptor type II protects mice from bleomycin-induced pulmonary fibrosis.	Li, M; Krishnaveni, MS; Li, C; Zhou, B; Xing, Y; Banfalvi, A; Li, A; Lombardi, V; Akbari, O; Borok, Z; Minoo, P	2011
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21169469	Yin yang 1 is a novel regulator of pulmonary fibrosis.	Lin, X; Sime, PJ; Xu, H; Williams, MA; LaRussa, L; Georas, SN; Guo, J	2011
21185199	Therapeutic effect of a peptide inhibitor of TGF- β on pulmonary fibrosis.	Arribillaga, L; Dotor, J; Basagoiti, M; Riezu-Boj, JI; Borrás-Cuesta, F; Lasarte, JJ; Sarobe, P; Cornet, ME; Feijó, E	2011
21212602	Blockade of the Wnt/ β -catenin pathway attenuates bleomycin-induced pulmonary fibrosis.	Kim, TH; Kim, SH; Seo, JY; Chung, H; Kwak, HJ; Lee, SK; Yoon, HJ; Shin, DH; Park, SS; Sohn, JW	2011
21232095	Hyaluronidase recruits mesenchymal-like cells to the lung and ameliorates fibrosis.	Bitencourt, CS; Pereira, PA; Ramos, SG; Sampaio, SV; Arantes, EC; Aronoff, DM; Faccioli, LH	2011
21239537	Hypoxia-inducible factor-1 α mediates TGF- β -induced PAI-1 production in alveolar macrophages in pulmonary fibrosis.	Ueno, M; Maeno, T; Nomura, M; Aoyagi-Ikeda, K; Matsui, H; Hara, K; Tanaka, T; Iso, T; Suga, T; Kurabayashi, M	2011
21239607	Aggravation of bleomycin-induced pulmonary inflammation and fibrosis in mice lacking peroxiredoxin I.	Kikuchi, N; Ishii, Y; Morishima, Y; Yageta, Y; Haraguchi, N; Yamadori, T; Masuko, H; Sakamoto, T; Yanagawa, T; Warabi, E; Ishii, T; Hizawa, N	2011

21244753	GW0742, a high affinity PPAR- β/δ agonist reduces lung inflammation induced by bleomycin instillation in mice.	Galuppo, M; Di Paola, R; Mazzon, E; Esposito, E; Paterniti, I; Kapoor, A; Thiemermann, C; Cuzzocrea, S	2010
21284856	Cooperative interaction of CTGF and TGF- β in animal models of fibrotic disease.	Wang, Q; Usinger, W; Nichols, B; Gray, J; Xu, L; Seeley, TW; Brenner, M; Guo, G; Zhang, W; Oliver, N; Lin, A; Yeowell, D	2011
21296518	Effectiveness of rosiglitazone on bleomycin-induced lung fibrosis: Assessed by micro-computed tomography and pathologic scores.	Jin, GY; Bok, SM; Han, YM; Chung, MJ; Yoon, KH; Kim, SR; Lee, YC	2012
21312187	Antiinflammatory and antifibrotic effects of the oral direct thrombin inhibitor dabigatran etexilate in a murine model of interstitial lung disease.	Bogatkevich, GS; Ludwicka-Bradley, A; Nietert, PJ; Akter, T; van Ryn, J; Silver, RM	2011
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21381050	Effect of leukotriene receptor antagonists on lung fibrosis in rats.	Shaker, OG; Sourour, DA	2011
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21403642	Overexpression of SERPIN B3 promotes epithelial proliferation and lung fibrosis in mice.	Lunardi F, Villano G, Perissinotto E, Agostini C, Rea F, Gnoato M, Bradaschia A, Valente M, Pontisso P, Calabrese F.	2011
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21421041	Antifibrosis effects of total glucosides of Danggui-Buxue-Tang in a rat model of bleomycin-induced pulmonary fibrosis.	Gao, J; Huang, Y; Li, P; Xu, D; Li, J; Liu, Y; Huang, Z; Wu, Q; Shao, X	2011
21423633	Panax notoginseng Attenuates Bleomycin-Induced Pulmonary Fibrosis in Mice.	Tsai, KD; Yang, SM; Lee, JC; Wong, HY; Shih, CM; Lin, TH; Tseng, MJ; Chen, W	2011
21435439	Essential role of MeCP2 in the regulation of myofibroblast differentiation during pulmonary fibrosis.	Hu, B; Gharaee-Kermani, M; Wu, Z; Phan, SH	2011
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21477302	Adrenomedullin in inflammatory process associated with experimental pulmonary fibrosis.	Di Paola, R; Talero, E; Galuppo, M; Mazzon, E; Bramanti, P; Motilva, V; Cuzzocrea, S	2011
21478551	Secretoglobulin 3A2 suppresses bleomycin-induced pulmonary fibrosis by transforming growth factor beta signaling down-regulation.	Kurotani, R; Okumura, S; Matsubara, T; Yokoyama, U; Buckley, JR; Tomita, T; Kezuka, K; Nagano, T; Esposito, D; Taylor, TE; Gillette, WK; Ishikawa, Y; Abe, H; Ward, JM; Kimura, S	2011
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21502778	Effects of doxycycline on production of growth factors and matrix metalloproteinases in pulmonary fibrosis.	Fujita, H; Sakamoto, N; Ishimatsu, Y; Kakugawa, T; Hara, S; Hara, A; Amenomori, M; Ishimoto, H; Nagata, T; Mukae, H; Kohno, S	2011
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21856819	Prostaglandin E ₂ protects murine lungs from bleomycin-induced pulmonary fibrosis and lung dysfunction.	Dackor, RT; Cheng, J; Voltz, JW; Card, JW; Ferguson, CD; Garrett, RC; Bradbury, JA; DeGraff, LM; Lih, FB; Tomer, KB; Flake, GP; Travlos, GS; Ramsey, RW; Edin, ML; Morgan, DL; Zeldin, DC	2011
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21970554	Attenuation of lung inflammation and fibrosis in CD69-deficient mice after intratracheal bleomycin.	Yamauchi, K; Kasuya, Y; Kuroda, F; Tanaka, K; Tsuyusaki, J; Ishizaki, S; Matsunaga, H; Iwamura, C; Nakayama, T; Tatsumi, K	2011
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21990376	Cadherin-11 contributes to pulmonary fibrosis: potential role in TGF- β production and epithelial to mesenchymal transition.	Schneider, DJ; Wu, M; Le, TT; Cho, SH; Brenner, MB; Blackburn, MR; Agarwal, SK	2012
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22507554	Human amnion epithelial cells do not abrogate pulmonary fibrosis in mice with impaired macrophage function.	Murphy, SV; Shiyun, SC; Tan, JL; Chan, S; Jenkin, G; Wallace, EM; Lim, R	2012
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22609986	PRR5L degradation promotes mTORC2-mediated PKC- δ phosphorylation and cell migration downstream of G α 12.	Gan, X; Wang, J; Wang, C; Sommer, E; Kozasa, T; Srinivasula, S; Alessi, D; Offermanns, S; Simon, MI; Wu, D	2012
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22687409	Mutant soluble ectodomain of fibroblast growth factor receptor-2 IIIc attenuates bleomycin-induced pulmonary fibrosis in mice.	Yu, ZH; Wang, DD; Zhou, ZY; He, SL; Chen, AA; Wang, J	2012
22707284	Effect of resveratrol on treatment of bleomycin-induced pulmonary fibrosis in rats.	Akgedik, R; Akgedik, S; Karamanli, H; Uysal, S; Bozkurt, B; Ozol, D; Armutcu, F; Yildirim, Z	2012
22739236	Differential role of regulatory T cells in early and late stages of pulmonary fibrosis.	Boveda-Ruiz, D; D'Alessandro-Gabazza, CN; Toda, M; Takagi, T; Naito, M; Matsushima, Y; Matsumoto, T; Kobayashi, T; Gil-Bernabe, P; Chelakkot-Govindalayathil, AL; Miyake, Y; Yasukawa, A; Morser, J; Taguchi, O; Gabazza, EC	2013
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22796203	Protective roles of Cordyceps on lung fibrosis in cellular and rat models.	Chen, M; Cheung, FW; Chan, MH; Hui, PK; Ip, SP; Ling, YH; Che, CT; Liu, WK	2012
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22892132	Expression of 150-kDa oxygen-regulated protein (ORP150) stimulates bleomycin-induced pulmonary fibrosis and dysfunction in mice.	Tanaka, K; Shirai, A; Ito, Y; Namba, T; Tahara, K; Yamakawa, N; Mizushima, T	2012
22903133	Exercise attenuates pulmonary injury in mice with bleomycin-induced pulmonary fibrosis.	Prata, LO; Oliveira, FM; Ribeiro, TM; Almeida, PW; Cardoso, JA; Rodrigues-Machado, Mda G; Caliari, MV	2012
22982510	Thymoquinone blocks lung injury and fibrosis by attenuating bleomycin-induced oxidative stress and activation of nuclear factor Kappa-B in rats.	El-Khouly, D; El-Bakly, WM; Awad, AS; El-Mesallamy, HO; El-Demerdash, E	2012
23006535	N-acetylcysteine downregulation of lysyl oxidase activity alleviating bleomycin-induced pulmonary fibrosis in rats.	Li, S; Yang, X; Li, W; Li, J; Su, X; Chen, L; Yan, G	2012
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23134111	Targeted gene transfer of hepatocyte growth factor to alveolar type II epithelial cells reduces lung fibrosis in rats.	Gazdhar, A; Temuri, A; Knudsen, L; Gugger, M; Schmid, RA; Ochs, M; Geiser, T	2013
23146038	Antifibrosis effects of triterpene acids of <i>Eriobotrya japonica</i> (Thunb.) Lindl. leaf in a	Yang, Y; Huang, Y; Huang, C; Lv, X; Liu, L; Wang, Y; Li, J	2012

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23186914	Local delivery of biodegradable pirfenidone nanoparticles ameliorates bleomycin-induced pulmonary fibrosis in mice.	Trivedi, R; Redente, EF; Thakur, A; Riches, DW; Kompella, UB	2012
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23260200	Regulation of myofibroblast differentiation by poly(ADP-ribose) polymerase 1.	Hu, B; Wu, Z; Hergert, P; Henke, CA; Bitterman, PB; Phan, SH	2013
23306543	β -catenin in the alveolar epithelium protects from lung fibrosis after intratracheal bleomycin.	Huang, J; Beyer, C; Palumbo-Zerr, K; Zhang, Y; Ramming, A; Distler, A; Gelse, K; Distler, O; Schett, G; Wollin, L; Distler, JH	2013
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23306833	Endothelin-converting enzyme-1 gene ablation attenuates pulmonary fibrosis via CGRP-cAMP/EPAC1 pathway.	Hartopo, AB; Emoto, N; Vignon-Zellweger, N; Suzuki, Y; Yagi, K; Nakayama, K; Hirata, K	2013
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23484193	Antifibrotic effect of combined treatment with neuroleptic drug and immobilized hyaluronidase in pulmonary fibrosis.	Dygai, AM; Skurikhin, EG; Ermakova, NN; Pershina, OV; Krupin, VA; Reztsova, AM; Ermolaeva, LA; Khmelevskaya, ES; Stepanova, IE; Artamonov, AV; Bekarev, AA; Madonov, PG; Kinsht, DN; Goldberg, VE; Semiglazova, TA	2013
23484207	Antifibrotic activity of hyaluronidase immobilized on polyethylenoxide under conditions of bleomycin-induced pneumofibrosis.	Burgy, O; Wettstein, G; Bellaye, PS; Decologne, N; Racoeur, C; Goirand, F; Beltramo, G; Hernandez, JF; Kenani, A; Camus, P; Bettaieb, A; Garrido, C; Bonniaud, P	2013
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23527830	Effects of simvastatin on pulmonary fibrosis, pulmonary hypertension and exercise capacity in bleomycin-treated rats.	Schroll, S; Lange, TJ; Arzt, M; Sebah, D; Nowrotek, A; Lehmann, H; Wensel, R; Pfeifer, M; Blumberg, FC	2013
23558989	Effects of simvastatin on bleomycin-induced pulmonary fibrosis in female rats.	Tulek, B; Kiyani, E; Kiyici, A; Toy, H; Bariskaner, H; Suerdem, M	2012
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23614921	Antifibrotic effects of CXCR4 antagonist in bleomycin-induced pulmonary fibrosis in mice.	Makino, H; Aono, Y; Azuma, M; Kishi, M; Yokota, Y; Kinoshita, K; Takezaki, A; Kishi, J; Kawano, H;	2013

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23669183	Tocopherol supplementation reduces NO production and pulmonary inflammatory response to bleomycin.	Shi, JD; Golden, T; Guo, CJ; Tu, SP; Scott, P; Lee, MJ; Yang, CS; Gow, AJ	2013
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23741300	The triterpenoid CDDO-Me inhibits bleomycin-induced lung inflammation and fibrosis.	Kulkarni, AA; Thatcher, TH; Hsiao, HM; Olsen, KC; Kottmann, RM; Morrisette, J; Wright, TW; Phipps, RP; Sime, PJ	2013
23759512	Assessment of Brd4 inhibition in idiopathic pulmonary fibrosis lung fibroblasts and in vivo models of lung fibrosis.	Tang, X; Peng, R; Phillips, JE; Deguzman, J; Ren, Y; Apparsundaram, S; Luo, Q; Bauer, CM; Fuentes, ME; DeMartino, JA; Tyagi, G; Garrido, R; Hogaboam, CM; Denton, CP; Holmes, AM; Kitson, C; Stevenson, CS; Budd, DC	2013
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24260540	Spironolactone attenuates bleomycin-induced pulmonary injury partially via modulating mononuclear phagocyte phenotype switching in circulating and alveolar compartments.	Ji, WJ; Ma, YQ; Zhou, X; Zhang, YD; Lu, RY; Guo, ZZ; Sun, HY; Hu, DC; Yang, GH; Li, YM; Wei, LQ	2013
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24285267	Rikkunshito ameliorates bleomycin-induced acute lung injury in a ghrelin-independent manner.	Tsubouchi, H; Yanagi, S; Miura, A; Iizuka, S; Mogami, S; Yamada, C; Hattori, T; Nakazato, M	2014
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24526289	Protective and therapeutic effect of molsidomine on bleomycin-induced lung fibrosis in rats.	Kilic, T; Parlakpinar, H; Polat, A; Taslidere, E; Vardi, N; Sarihan, E; Ermis, H; Tanbag, K	2014
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24763685	Differentiation of mouse induced pluripotent stem cells into alveolar epithelial cells in vitro for use in vivo.	Zhou, Q; Ye, X; Sun, R; Matsumoto, Y; Moriyama, M; Asano, Y; Ajioka, Y; Saijo, Y	2014
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25467157	Synthesis and biological evaluation of 4-oxoquinoline-3-carboxamides derivatives as potent anti-fibrosis agents.	Zhu, J; He, L; Ma, L; Wei, Z; He, J; Yang, Z; Pu, Y; Cao, D; Wu, Y; Xiang, M; Peng, A; Wei, Y; Chen, L	2014
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25502443	Protective and therapeutic effect of apocynin on bleomycin-induced lung fibrosis in rats.	Kilic, T; Parlakpınar, H; Taslidere, E; Yildiz, S; Polat, A; Vardi, N; Colak, C; Ermis, H	2015
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25582705	Protocatechuic aldehyde ameliorates experimental pulmonary fibrosis by modulating HMGB1/RAGE pathway.	Zhang, L; Ji, Y; Kang, Z; Lv, C; Jiang, W	2015
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25636879	Total extract of Yupingfeng attenuates bleomycin-induced pulmonary fibrosis in rats.	Li, L; Li, D; Xu, L; Zhao, P; Deng, Z; Mo, X; Li, P; Qi, L; Li, J; Gao, J	2015
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25672255	Tanshinone IIA attenuates bleomycin-induced pulmonary fibrosis in rats.	He, H; Tang, H; Gao, L; Wu, Y; Feng, Z; Lin, H; Wu, T	2015
25689283	Protease-activated receptor (PAR)-2 is required for PAR-1 signalling in pulmonary fibrosis.	Lin, C; von der Thüsen, J; Daalhuisen, J; ten Brink, M; Crestani, B; van der Poll, T; Borensztajn, K; Spek, CA	2015
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25759818	DNaseI protects against Paraquat-induced acute lung injury and pulmonary fibrosis mediated by mitochondrial DNA.	Li, G; Yuzhen, L; Yi, C; Xiaoxiang, C; Wei, Z; Changqing, Z; Shuang, Y	2015

25816117	Anti-profibrotic effects of artesunate on bleomycin-induced pulmonary fibrosis in Sprague Dawley rats.	Wang, C; Xuan, X; Yao, W; Huang, G; Jin, J	2015
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25869570	Attenuation of bleomycin induced lung fibrosis by erdosteine and inhibition of the inducible nitric oxide synthase.	Guzel, A; Kayhan, S; Tutuncu, S; Guzel, A; Duran, L; Alacam, H; Gunaydin, M; Torun, AC; Yilmaz, MZ; Selcuk, MY; Murat, N	2015
25877860	Berberine inhibits Smad and non-Smad signaling cascades and enhances autophagy against pulmonary fibrosis.	Chitra, P; Saiprasad, G; Manikandan, R; Sudhandiran, G	2015
25888222	IL-27 alleviates the bleomycin-induced pulmonary fibrosis by regulating the Th17 cell differentiation.	Dong, Z; Lu, X; Yang, Y; Zhang, T; Li, Y; Chai, Y; Lei, W; Li, C; Ai, L; Tai, W	2015
25911951	Tanshinone IIA ameliorates bleomycin-induced pulmonary fibrosis and inhibits transforming growth factor-beta- β -dependent epithelial to mesenchymal transition.	Tang, H; He, H; Ji, H; Gao, L; Mao, J; Liu, J; Lin, H; Wu, T	2015
25919965	Nitric Oxide Mediates Bleomycin-induced Angiogenesis and Pulmonary Fibrosis via Regulation of VEGF.	Iyer, AK; Ramesh, V; Castro, CA; Kaushik, V; Kulkarni, YM; Wright, CA; Venkatadri, R; Rojanasakul, Y; Azad, N	2015
25957199	Inhibitory effect of l-mimosine on bleomycin-induced pulmonary fibrosis in rats: Role of eIF3a and p27.	Li, XW; Hu, CP; Li, YJ; Gao, YX; Wang, XM; Yang, JR	2015
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25986930	Hypoxia-preconditioned mesenchymal stem cells attenuate bleomycin-induced pulmonary fibrosis.	Lan, YW; Choo, KB; Chen, CM; Hung, TH; Chen, YB; Hsieh, CH; Kuo, HP; Chong, KY	2015
25992646	Protective roles of pulmonary rehabilitation mixture in experimental pulmonary fibrosis in vitro and in vivo.	Zhang, L; Ji, YX; Jiang, WL; Lv, CJ	2015
25995225	The α v β 1 integrin plays a critical in vivo role in tissue fibrosis.	Reed, NI; Jo, H; Chen, C; Tsujino, K; Arnold, TD; DeGrado, WF; Sheppard, D	2015
25998889	Angiotensin-Converting Enzyme 2 Attenuates Bleomycin-Induced Lung Fibrosis in Mice.	Wang, L; Wang, Y; Yang, T; Guo, Y; Sun, T	2015
26002989	Biochemical and histological impact of direct renin inhibition by aliskiren on myofibroblasts activation and differentiation	Asker, SA; Mazroa, SA; Boshra, V; Hassan, AM	2015

	in bleomycin induced pulmonary fibrosis in adult mice.		
26005208	The exacerbating roles of CCAAT/enhancer-binding protein homologous protein (CHOP) in the development of bleomycin-induced pulmonary fibrosis and the preventive effects of tauroursodeoxycholic acid (TUDCA) against pulmonary fibrosis in mice.	Tanaka, Y; Ishitsuka, Y; Hayasaka, M; Yamada, Y; Miyata, K; Endo, M; Kondo, Y; Moriuchi, H; Irikura, M; Tanaka, K; Mizushima, T; Oike, Y; Irie, T	2015
26010495	Epigallocatechin gallate attenuates fibroblast proliferation and excessive collagen production by effectively intervening TGF- β 1 signalling.	Sriram, N; Kalayarasan, S; Manikandan, R; Arumugam, M; Sudhandiran, G	2015
26019579	Angelica sinensis is effective in treating diffuse interstitial pulmonary fibrosis in rats.	Wang, L; Sun, Y; Ruan, C; Liu, B; Zhao, L; Gu, X	2014
26093215	Effect of glycosides based standardized fenugreek seed extract in bleomycin-induced pulmonary fibrosis in rats: Decisive role of Bax, Nrf2, NF- κ B, Muc5ac, TNF- α and IL-1 β .	Kandhare, AD; Bodhankar, SL; Mohan, V; Thakurdesai, PA	2015
26098610	Effects of thymosin β 4 and its N-terminal fragment Ac-SDKP on TGF- β -treated human lung fibroblasts and in the mouse model of bleomycin-induced lung fibrosis.	Conte, E; Iemmolo, M; Fruciano, M; Fagone, E; Gili, E; Genovese, T; Esposito, E; Cuzzocrea, S; Vancheri, C	2015
26116593	Cyclophosphamide Combined with Bone Marrow Mesenchymal Stromal Cells Protects against Bleomycin-induced Lung Fibrosis in Mice.	Xu, J; Li, L; Xiong, J; Zheng, Y; Ye, Q; Li, Y	2015
26122220	MELATONIN ALLEVIATES BLEOMYCIN-INDUCED PULMONARY FIBROSIS IN MICE.	Karimfar, MH; Rostami, S; Haghani, K; Bakhtiyari, S; Noori-Zadeh, A	2015
26147947	Pharmacological targeting of protease activated receptor-2 affords protection from bleomycin-induced pulmonary fibrosis.	Lin, C; Von Der Thüsen, J; Daalhuisen, J; Ten Brink, M; Crestani, B; Van Der Poll, T; Borensztajn, K; Spek, CA	2015
26151196	Histone deacetylase inhibitor restores surfactant protein-C expression in alveolar-epithelial type II cells and attenuates bleomycin-induced pulmonary fibrosis in vivo.	Ota, C; Yamada, M; Fujino, N; Motohashi, H; Tando, Y; Takei, Y; Suzuki, T; Takahashi, T; Kamata, S; Makiguchi, T; Yamaya, M; Kubo, H	2015
26178702	Inhibition of bleomycin-induced pulmonary fibrosis by bone marrow-derived mesenchymal stem cells might be mediated by decreasing MMP9, TIMP-1, INF- γ and TGF- β .	Yu, SH; Liu, LJ; Lv, B; Che, CL; Fan, DP; Wang, LF; Zhang, YM	2015
26192616	Roflumilast Prevents the Metabolic Effects of Bleomycin-Induced Fibrosis in a Murine Model.	Milara, J; Morcillo, E; Monleon, D; Tenor, H; Cortijo, J	2015
26196843	Maresin 1 Inhibits Epithelial-to-Mesenchymal Transition in Vitro and Attenuates Bleomycin Induced Lung Fibrosis in Vivo.	Wang, Y; Li, R; Chen, L; Tan, W; Sun, Z; Xia, H; Li, B; Yu, Y; Gong, J; Tang, M; Ji, Y; Yuan, S; Shanglong Yao, ; Shang, Y	2015
26201908	Effect of Antioxidant Echinochrome A on Bleomycin-Induced Pulmonary Fibrosis.	Lebed'ko, OA; Ryzhavskii, BY; Demidova, OV	2015
26209236	Pharmacological In Vivo Inhibition of S-Nitrosogluthathione Reductase Attenuates	Luzina, IG; Lockatell, V; Todd, NW; Kopach, P; Pentikis, HS; Atamas, SP	2015

	Bleomycin-Induced Inflammation and Fibrosis.		
26231702	Pleiotropic effect of the proton pump inhibitor esomeprazole leading to suppression of lung inflammation and fibrosis.	Ghebremariam, YT; Cooke, JP; Gerhart, W; Griego, C; Brower, JB; Doyle-Eisele, M; Moeller, BC; Zhou, Q; Ho, L; de Andrade, J; Raghu, G; Peterson, L; Rivera, A; Rosen, GD	2015
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26253295	Protective Effect of Infliximab, a Tumor Necrosis Factor-Alpha Inhibitor, on Bleomycin-Induced Lung Fibrosis in Rats.	Altintas, N; Erboga, M; Aktas, C; Bilir, B; Aydin, M; Sengul, A; Ates, Z; Topcu, B; Gurel, A	2015
26254990	Ponatinib ameliorates pulmonary fibrosis by suppressing TGF- β 1/Smad3 pathway.	Qu, Y; Zhang, L; Kang, Z; Jiang, W; Lv, C	2015
26284610	Glycolytic Reprogramming in Myofibroblast Differentiation and Lung Fibrosis.	Xie, N; Tan, Z; Banerjee, S; Cui, H; Ge, J; Liu, RM; Bernard, K; Thannickal, VJ; Liu, G	2015
26309524	Efficacy study of edaravone and acetylcysteine towards bleomycin-induced rat pulmonary fibrosis.	Yu, WC; Tian, LY; Cheng, W	2015
26310139	Soluble epoxide hydrolase inhibitor 1-trifluoromethoxyphenyl-3- (1-propionylpiperidin-4-yl) urea attenuates bleomycin-induced pulmonary fibrosis in mice.	Zhou, Y; Sun, GY; Liu, T; Duan, JX; Zhou, HF; Lee, KS; Hammock, BD; Fang, X; Jiang, JX; Guan, CX	2016
26315492	An endostatin-derived peptide orally exerts anti-fibrotic activity in a murine pulmonary fibrosis model.	Nishimoto, T; Mlakar, L; Takihara, T; Feghali-Bostwick, C	2015
26315535	miR-9-5p suppresses pro-fibrogenic transformation of fibroblasts and prevents organ fibrosis by targeting NOX4 and TGFBR2.	Fierro-Fernández, M; Busnadiego, Ó; Sandoval, P; Espinosa-Díez, C; Blanco-Ruiz, E; Rodríguez, M; Pian, H; Ramos, R; López-Cabrera, M; García-Bermejo, ML; Lamas, S	2015
26324850	STAT-3 contributes to pulmonary fibrosis through epithelial injury and fibroblast-myofibroblast differentiation.	Pedroza, M; Le, TT; Lewis, K; Karmouty-Quintana, H; To, S; George, AT; Blackburn, MR; Tweardy, DJ; Agarwal, SK	2016
26330752	Amelioration of Bleomycin-induced Pulmonary Fibrosis of Rats by an Aldose Reductase Inhibitor, Epalrestat.	Li, X; Shen, Y; Lu, Y; Yang, J	2015
26334388	Protective effect of polyphenols in an inflammatory process associated with experimental pulmonary fibrosis in mice.	Impellizzeri, D; Talero, E; Siracusa, R; Alcaide, A; Cordaro, M; Maria Zubelia, J; Bruschetta, G; Crupi, R; Esposito, E; Cuzzocrea, S; Motilva, V	2015
26339340	Bone marrow mesenchymal stem cells protect against bleomycin-induced pulmonary fibrosis in rat by activating Nrf2 signaling.	Ni, S; Wang, D; Qiu, X; Pang, L; Song, Z; Guo, K	2015
26347805	Total Glucosides of Danggui Buxue Tang Attenuate BLM-Induced Pulmonary Fibrosis via Regulating Oxidative Stress by Inhibiting NOX4.	Zhao, P; Zhou, WC; Li, DL; Mo, XT; Xu, L; Li, LC; Cui, WH; Gao, J	2015

26369416	Uridine supplementation exerts anti-inflammatory and anti-fibrotic effects in an animal model of pulmonary fibrosis.	Cicko, S; Grimm, M; Ayata, K; Beckert, J; Meyer, A; Hossfeld, M; Zissel, G; Idzko, M; Müller, T	2015
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26378893	Targeting Inhibitor of Apoptosis Proteins Protects from Bleomycin-induced Lung Fibrosis.	Ashley, SL; Sisson, TH; Wheaton, AK; Kim, KK; Wilke, CA; Ajayi, IO; Subbotina, N; Wang, S; Duckett, CS; Moore, BB; Horowitz, JC	2015
26385580	Preventive effects of Ecliptae Herba extract and its component, ecliptasaponin A, on bleomycin-induced pulmonary fibrosis in mice.	Yi You, X; Xue, Q; Fang, Y; Liu, Q; Zhang, CF; Zhao, C; Zhang, M; Xu, XH	2015
26411348	Total glycosides of Yupingfeng protects against bleomycin-induced pulmonary fibrosis in rats associated with reduced high mobility group box 1 activation and epithelial-mesenchymal transition.	Cui, W; Li, L; Li, D; Mo, X; Zhou, W; Zhang, Z; Xu, L; Zhao, P; Qi, L; Li, P; Gao, J	2015
26425798	A proteomics approach to identifying key protein targets involved in VEGF inhibitor mediated attenuation of bleomycin-induced pulmonary fibrosis.	Kulkarni, YM; Dutta, S; Iyer, AK; Venkatadri, R; Kaushik, V; Ramesh, V; Wright, CA; Semmes, OJ; Yakisich, JS; Azad, N	2016
26432923	Therapeutic benefits of young, but not old, adipose-derived mesenchymal stem cells in a chronic mouse model of bleomycin-induced pulmonary fibrosis.	Tashiro, J; Elliot, SJ; Gerth, DJ; Xia, X; Pereira-Simon, S; Choi, R; Catanuto, P; Shahzeidi, S; Toonkel, RL; Shah, RH; El Salem, F; Glassberg, MK	2015
26481523	Protective effect of gallic acid against bleomycin-induced pulmonary fibrosis in rats.	Nikbakht, J; Hemmati, AA; Arzi, A; Mansouri, MT; Rezaie, A; Ghafourian, M	2015
26483688	Glycyrrhizic acid alleviates bleomycin-induced pulmonary fibrosis in rats.	Gao, L; Tang, H; He, H; Liu, J; Mao, J; Ji, H; Lin, H; Wu, T	2015
26497205	Metformin attenuates gefitinib-induced exacerbation of pulmonary fibrosis by inhibition of TGF- β signaling pathway.	Li, L; Huang, W; Li, K; Zhang, K; Lin, C; Han, R; Lu, C; Wang, Y; Chen, H; Sun, F; He, Y	2015
26497260	Hirsutella sinensis mycelium attenuates bleomycin-induced pulmonary inflammation and fibrosis in vivo.	Huang, TT; Lai, HC; Ko, YF; Ojcus, DM; Lan, YW; Martel, J; Young, JD; Chong, KY	2015
26520185	Calcitriol inhibits bleomycin-induced early pulmonary inflammatory response and epithelial-mesenchymal transition in mice.	Tan, ZX; Chen, YH; Xu, S; Qin, HY; Zhang, C; Zhao, H; Xu, DX	2016
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26526764	Role of NOS2 in Pulmonary Injury and Repair in Response to Bleomycin.	Guo, C; Atochina-Vasserman, E; Abramova, H; George, B; Manoj, V; Scott, P; Gow, A	2015
26527068	Extracellular adenosine levels are associated with the progression and exacerbation of pulmonary fibrosis.	Luo, F; Le, NB; Mills, T; Chen, NY; Karmouty-Quintana, H; Molina, JG; Davies, J; Philip, K; Volcik, KA; Liu, H; Xia, Y; Eltzschig, HK; Blackburn, MR	2016

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26559674	Secretoglobin 3A2 Exhibits Anti-Fibrotic Activity in Bleomycin-Induced Pulmonary Fibrosis Model Mice.	Cai, Y; Kimura, S	2015
26567180	Nucleosome in patients with systemic sclerosis: possible association with immunological abnormalities via abnormal activation of T and B cells.	Yoshizaki, A; Taniguchi, T; Saigusa, R; Fukasawa, T; Ebata, S; Numajiri, H; Nakamura, K; Yamashita, T; Takahashi, T; Toyama, T; Asano, Y; Tedder, TF; Sato, S	2015
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26598674	Multifaceted contribution of the TLR4-activated IRF5 transcription factor in systemic sclerosis.	Saigusa, R; Asano, Y; Taniguchi, T; Yamashita, T; Ichimura, Y; Takahashi, T; Toyama, T; Yoshizaki, A; Sugawara, K; Tsuruta, D; Taniguchi, T; Sato, S	2015
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26600197	MicroRNA-27a-3p Is a Negative Regulator of Lung Fibrosis by Targeting Myofibroblast Differentiation.	Cui, H; Banerjee, S; Xie, N; Ge, J; Liu, RM; Matalon, S; Thannickal, VJ; Liu, G	2016
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26637636	Endothelial HIF signaling regulates pulmonary fibrosis-associated pulmonary hypertension.	Bryant, AJ; Carrick, RP; McConaha, ME; Jones, BR; Shay, SD; Moore, CS; Blackwell, TR; Gladson, S; Penner, NL; Burman, A; Tanjore, H; Hemnes, AR; Karwandiyar, AK; Polosukhin, VV; Talati, MA; Dong, HJ; Gleaves, LA; Carrier, EJ; Gaskill, C; Scott, EW; Majka, SM; Fessel, JP; Haase, VH; West, JD; Blackwell, TS; Lawson, WE	2016
26660549	17(R)-resolvin D1 ameliorates bleomycin-induced pulmonary fibrosis in mice.	Yatomi, M; Hisada, T; Ishizuka, T; Koga, Y; Ono, A; Kamide, Y; Seki, K; Aoki-Saito, H; Tsurumaki, H; Sunaga, N; Kaira, K; Dobashi, K; Yamada, M; Okajima, F	2015
26663085	Fibroblast Activation Protein (FAP) Accelerates Collagen Degradation and Clearance from Lungs in Mice.	Fan, MH; Zhu, Q; Li, HH; Ra, HJ; Majumdar, S; Gulick, DL; Jerome, JA; Madsen, DH; Christofidou-Solomidou, S	2016

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26675886	Inhibitory effects of amines from Citrus reticulata on bleomycin-induced pulmonary fibrosis in rats.	Zhou, XM; Cao, ZD; Xiao, N; Shen, Q; Li, JX	2016
26697175	Expression of mutant bone morphogenetic protein receptor II worsens pulmonary hypertension secondary to pulmonary fibrosis.	Bryant AJ1, Robinson LJ2, Moore CS2, Blackwell TR2, Gladson S2, Penner NL2, Burman A2, McClellan LJ2, Polosukhin VV2, Tanjore H2, McConaha ME2, Gleaves LA2, Talati MA2, Hemnes AR2, Fessel JP2, Lawson WE3, Blackwell TS4, West JD2.	2015
26749424	Netrin-1 Regulates Fibrocyte Accumulation in the Decellularized Fibrotic Sclerodermatous Lung Microenvironment and in Bleomycin-Induced Pulmonary Fibrosis.	Sun, H; Zhu, Y; Pan, H; Chen, X; Balestrini, JL; Lam, TT; Kanyo, JE; Eichmann, A; Gulati, M; Fares, WH; Bai, H; Feghali-Bostwick, CA; Gan, Y; Peng, X; Moore, MW; White, ES; Sava, P; Gonzalez, AL; Cheng, Y; Niklason, LE; Herzog, EL	2016
26750154	Madecassoside ameliorates bleomycin-induced pulmonary fibrosis in mice through promoting the generation of hepatocyte growth factor via PPAR- γ in colon.	Xia, Y; Xia, YF; Lv, Q; Yue, MF; Qiao, SM; Yang, Y; Wei, ZF; Dai, Y	2016
26768587	Celastrol enhances Nrf2 mediated antioxidant enzymes and exhibits anti-fibrotic effect through regulation of collagen production against bleomycin-induced pulmonary fibrosis.	Divya, T; Dineshbabu, V; Soumyakrishnan, S; Sureshkumar, A; Sudhandiran, G	2016
26768967	Therapeutic advantage of inhaled tacrolimus-bound albumin nanoparticles in a bleomycin-induced pulmonary fibrosis mouse model.	Seo, J; Lee, C; Hwang, HS; Kim, B; Thao, le Q; Lee, ES; Oh, KT; Lim, JL; Choi, HG; Youn, YS	2016
26772959	M10, a caspase cleavage product of the hepatocyte growth factor receptor, interacts with Smad2 and demonstrates antifibrotic properties in vitro and in vivo.	Atanelishvili, I; Shirai, Y; Akter, T; Buckner, T; Noguchi, A; Silver, RM; Bogatkevich, GS	2016
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26779814	Targeting of the pulmonary capillary vascular niche promotes lung alveolar repair and ameliorates fibrosis.	Cao, Z; Lis, R; Ginsberg, M; Chavez, D; Shido, K; Rabbany, SY; Fong, GH; Sakmar, TP; Rafii, S; Ding, BS	2016
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26821114	Fluorofenidone attenuates bleomycin-induced pulmonary fibrosis by inhibiting	Wu, YH; Li, XW; Li, WQ; Li, XH; Li, YJ; Hu, GY; Liu, ZQ; Li, D	2016

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26822530	Osthole Alleviates Bleomycin-Induced Pulmonary Fibrosis via Modulating Angiotensin-Converting Enzyme 2/Angiotensin-(1-7) Axis and Decreasing Inflammation Responses in Rats.	Hao, Y; Liu, Y	2016
26859294	Inhibition of Plasminogen Activator Inhibitor-1 Attenuates Transforming Growth Factor- β -Dependent Epithelial Mesenchymal Transition and Differentiation of Fibroblasts to Myofibroblasts.	Omori, K; Hattori, N; Senoo, T; Takayama, Y; Masuda, T; Nakashima, T; Iwamoto, H; Fujitaka, K; Hamada, H; Kohno, N	2016
26859835	Heat Shock Protein 27 Plays a Pivotal Role in Myofibroblast Differentiation and in the Development of Bleomycin-Induced Pulmonary Fibrosis.	Park, AM; Kanai, K; Itoh, T; Sato, T; Tsukui, T; Inagaki, Y; Selman, M; Matsushima, K; Yoshie, O	2016
26873752	miR-19a, -19b, and -26b Mediate CTGF Expression and Pulmonary Fibroblast Differentiation.	Chen, YC; Chen, BC; Yu, CC; Lin, SH; Lin, CH	2016
26883801	Chop Deficiency Protects Mice Against Bleomycin-induced Pulmonary Fibrosis by Attenuating M2 Macrophage Production.	Zhang, F; Dong, W; Zeng, W; Zhang, L; Zhang, C; Qiu, Y; Wang, L; Yin, X; Zhang, C; Liang, W	2016
26884454	The matricellular protein Ccn1 enhances TGF- β 1/SMAD3-dependent profibrotic signaling in fibroblasts and contributes to fibrogenic responses to lung injury.	Kurundkar, AR; Kurundkar, D; Rangarajan, S; Locy, ML; Zhou, Y; Liu, RM; Zmijewski, J; Thannickal, VJ	2016
26891294	The Chinese Herbal Medicine Formula mKG Suppresses Pulmonary Fibrosis of Mice Induced by Bleomycin.	Gao, Y; Yao, LF; Zhao, Y; Wei, LM; Guo, P; Yu, M; Cao, B; Li, T; Chen, H; Zou, ZM	2016
26895395	Exercise Reduces Lung Fibrosis Involving Serotonin/Akt Signaling.	Pereira, PR; Oliveira-Junior, MC; MacKenzie, B; Chiovatto, JE; Matos, Y; Greiffo, FR; Rigonato Oliveira, NC; Brugenman, TR; Delle, H; Idzko, M; Albertini, R; Ligeiro Oliveira, AP; Damaceno-Rodrigues, NR; Caldini, EG; Fernandez, IE; Castro-Faria-Neto, HC; Dolhnikoff, M; Eickelberg, O; Vieira, RP	2016
26895702	C-type natriuretic peptide ameliorates pulmonary fibrosis by acting on lung fibroblasts in mice.	Kimura, T; Nojiri, T; Hino, J; Hosoda, H; Miura, K; Shintani, Y; Inoue, M; Zenitani, M; Takabatake, H; Miyazato, M; Okumura, M; Kangawa, K	2016
26898446	Treatment of bleomycin-induced pulmonary fibrosis by inhaled tacrolimus-loaded chitosan-coated poly(lactic-co-glycolic acid) nanoparticles.	Lee, C; Seo, J; Hwang, HS; Thao, le Q; Lee, S; Lee, ES; Lee, EH; Choi, HG; Youn, YS	2016
26922542	The preventive role of levosimendan against bleomycin-induced pulmonary fibrosis in rats.	Gürbüz, M; Sayar, I; Cankaya, M; Gürbüz, A; Demirtas, L; Bakirci, EM; Capoglu, I	2016
26956419	Contribution of the anaphylatoxin receptors, C3aR and C5aR, to the pathogenesis of pulmonary fibrosis.	Gu, H; Fisher, AJ; Mickler, EA; Duerson, F; Cummings, OW; Peters-Golden, M; Twigg, HL; Woodruff, TM; Wilkes, DS; Vittal, R	2016

26960158	Ultrastructural investigation of the protective effects of propolis on bleomycin induced pulmonary fibrosis.	Bilgin, G; Kismet, K; Kuru, S; Kaya, F; Senes, M; Bayrakceken, Y; Yumusak, N; Celikkan, FT; Erdemli, E; Celemli, OG; Sorkun, K; Koca, G	2016
26974397	Secretory leukocyte protease inhibitor gene deletion alters bleomycin-induced lung injury, but not development of pulmonary fibrosis.	Habgood, AN; Tatler, AL; Porte, J; Wahl, SM; Laurent, GJ; John, AE; Johnson, SR; Jenkins, G	2016
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26987798	Hyaluronan synthase 2 regulates fibroblast senescence in pulmonary fibrosis.	Li, Y; Liang, J; Yang, T; Monterrosa Mena, J; Huan, C; Xie, T; Kurkciyan, A; Liu, N; Jiang, D; Noble, PW	2016
26998906	Impact of a CXCL12/CXCR4 Antagonist in Bleomycin (BLM) Induced Pulmonary Fibrosis and Carbon Tetrachloride (CCl4) Induced Hepatic Fibrosis in Mice.	Chow, LN; Schreiner, P; Ng, BY; Lo, B; Hughes, MR; Scott, RW; Gusti, V; Lecour, S; Simonson, E; Manisali, I; Barta, I; McNagny, KM; Crawford, J; Webb, M; Underhill, TM	2016
27002405	Protective role of gambogic acid in experimental pulmonary fibrosis in vitro and in vivo.	Qu, Y; Zhang, G; Ji, Y; Zhua, H; Lv, C; Jiang, W	2016
27006447	Autotaxin activity increases locally following lung injury, but is not required for pulmonary lysophosphatidic acid production or fibrosis.	Black, KE; Berdyshev, E; Bain, G; Castelino, FV; Shea, BS; Probst, CK; Fontaine, BA; Bronova, I; Goulet, L; Lagares, D; Ahluwalia, N; Knipe, RS; Natarajan, V; Tager, AM	2016
27009174	Vascular effects of sildenafil in patients with pulmonary fibrosis and pulmonary hypertension: an ex vivo/in vitro study.	Milara, J; Escrivá, J; Ortiz, JL; Juan, G; Artigues, E; Morcillo, E; Cortijo, J	2016
27013092	Effect of Renshen Pingfei Decoction, a traditional Chinese prescription, on IPF induced by Bleomycin in rats and regulation of TGF- β 1/Smad3.	Chen, F; Wang, PL; Fan, XS; Yu, JH; Zhu, Y; Zhu, ZH	2016
27029074	Preventive and therapeutic effects of Thymosin β 4 N-terminal fragment Ac-SDKP in the bleomycin model of pulmonary fibrosis.	Conte, E; Fagone, E; Gili, E; Fruciano, M; Iemmolo, M; Pistorio, MP; Impellizzeri, D; Cordaro, M; Cuzzocrea, S; Vancheri, C	2016
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27083148	The regulatory role of interferon- γ producing gamma delta T cells via the suppression of T helper 17 cell activity in bleomycin-induced pulmonary fibrosis.	Segawa, S; Goto, D; Iizuka, A; Kaneko, S; Yokosawa, M; Kondo, Y; Matsumoto, I; Sumida, T	2016
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27113308	Induction of heme oxygenase-1 attenuates chemotherapy-induced pulmonary toxicity in rats: A possible link between heme oxygenase-1 and NF- κ B.	Abdel-Raheem, IT; Omran, GA	2016

27133302	Paeoniflorin suppresses TGF- β mediated epithelial-mesenchymal transition in pulmonary fibrosis through a Smad-dependent pathway.	Ji, Y; Dou, YN; Zhao, QW; Zhang, JZ; Yang, Y; Wang, T; Xia, YF; Dai, Y; Wei, ZF	2016
27135434	GRP78 and CHOP modulate macrophage apoptosis and the development of bleomycin-induced pulmonary fibrosis.	Ayoub, EA; Kolb, PS; Mohammed-Ali, Z; Tat, V; Murphy, J; Bellaye, PS; Shimbori, C; Boivin, FJ; Lai, R; Lynn, EG; Lhoták, Š; Bridgewater, D; Kolb, MR; Inman, MD; Dickhout, JG; Austin, RC; Ask, K	2016
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27144994	Neotuberostemonine attenuates bleomycin-induced pulmonary fibrosis by suppressing the recruitment and activation of macrophages.	Xiang, J; Cheng, S; Feng, T; Wu, Y; Xie, W; Zhang, M; Xu, X; Zhang, C	2016
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27154762	Aliskiren attenuates bleomycin-induced pulmonary fibrosis in rats: focus on oxidative stress, advanced glycation end products, and matrix metalloproteinase-9.	Abuelezz, SA; Hendawy, N; Osman, WM	2016
27162139	Ubiquitin E3 ligase FIEL1 regulates fibrotic lung injury through SUMO-E3 ligase PIAS4.	Lear, T; McKelvey, AC; Rajbhandari, S; Dunn, SR; Coon, TA; Connelly, W; Zhao, JY; Kass, DJ; Zhang, Y; Liu, Y; Chen, BB	2016
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27173636	Identification of P-Rex1 as an anti-inflammatory and anti-fibrogenic target for pulmonary fibrosis.	Liang, Q; Cheng, N; Zhang, G; Liang, Y; Qian, F; Wu, D; Ye, RD	2016
27180239	Obaculactone protects against bleomycin-induced pulmonary fibrosis in mice.	Wang, X; Ouyang, Z; You, Q; He, S; Meng, Q; Hu, C; Wu, X; Shen, Y; Sun, Y; Wu, X; Xu, Q	2016
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27219676	Structure-Based Design of Tetrahydroisoquinoline-7-carboxamides as Selective Discoidin Domain Receptor 1 (DDR1) Inhibitors.	Wang, Z; Bian, H; Bartual, SG; Du, W; Luo, J; Zhao, H; Zhang, S; Mo, C; Zhou, Y; Xu, Y; Tu, Z; Ren, X; Lu, X; Brekken, RA; Yao, L; Bullock, AN; Su, J; Ding, K	2016
27221077	Inflammatory monocyte/macrophage modulation by liposome-entrapped spironolactone ameliorates acute lung injury in mice.	Ji, WJ; Ma, YQ; Zhang, X; Zhang, L; Zhang, YD; Su, CC; Xiang, GA; Zhang, MP; Lin, ZC; Wei, LQ; Wang, PP; Zhang, Z; Li, YM; Zhou, X	2016

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27261600	Grape seed and skin extract protects against bleomycin-induced oxidative stress in rat lung.	Khazri, O; Charradi, K; Limam, F; El May, MV; Aouani, E	2016
27271612	Preventive Effects of Rhodiola rosea L. on Bleomycin-Induced Pulmonary Fibrosis in Rats.	Zhang, K; Si, XP; Huang, J; Han, J; Liang, X; Xu, XB; Wang, YT; Li, GY; Wang, HY; Wang, JH	2016
27278104	Salvianolic Acid B Attenuates Experimental Pulmonary Fibrosis through Inhibition of the TGF- β Signaling Pathway.	Liu, Q; Chu, H; Ma, Y; Wu, T; Qian, F; Ren, X; Tu, W; Zhou, X; Jin, L; Wu, W; Wang, J	2016
27279371	Involvement of PARK2-Mediated Mitophagy in Idiopathic Pulmonary Fibrosis Pathogenesis.	Kobayashi, K; Araya, J; Minagawa, S; Hara, H; Saito, N; Kadota, T; Sato, N; Yoshida, M; Tsubouchi, K; Kurita, Y; Ito, S; Fujita, Y; Takasaka, N; Utsumi, H; Yanagisawa, H; Hashimoto, M; Wakui, H; Kojima, J; Shimizu, K; Numata, T; Kawaishi, M; Kaneko, Y; Asano, H; Yamashita, M; Odaka, M; Morikawa, T; Nakayama, K; Kuwano, K	2016
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27292644	SET9-Mediated Regulation of TGF- β Signaling Links Protein Methylation to Pulmonary Fibrosis.	Elkouris, M; Kontaki, H; Stavropoulos, A; Antonoglou, A; Nikolaou, KC; Samiotaki, M; Szantai, E; Saviolaki, D; Brown, PJ; Sideras, P; Panayotou, G; Talianidis, I	2016
27295971	High endogenous activated protein C levels attenuates bleomycin-induced pulmonary fibrosis.	Vande Velde, G; Poelmans, J; De Langhe, E; Hillen, A; Vanoirbeek, J; Himmelreich, U; Lories, RJ	2016
27306439	Fluorofenidone attenuates pulmonary inflammation and fibrosis via inhibiting the activation of NALP3 inflammasome and IL-1 β /IL-1R1/MyD88/NF- κ B pathway.	Song, C; He, L; Zhang, J; Ma, H; Yuan, X; Hu, G; Tao, L; Zhang, J; Meng, J	2016
27317687	Macrophage Bone Morphogenic Protein Receptor 2 (BMPR2) depletion in Idiopathic Pulmonary Fibrosis (IPF) and Group III Pulmonary Hypertension.	Chen, NY; Collum, SD; Luo, F; Weng, T; Le, TT; Hernandez, AM; Philip, K; Molina, J; Garcia-Morales, LJ; Cao, Y; Ko, TC; Amione-Guerra, J; Al Jabbari, O; Bunge, RR; Youker, KA; Bruckner, BA; Hamid, R; Davies, J; Sinha, N; Karmouty-Quintana, H	2016
27317904	CD4(+)CD25(hi)Foxp3(+) Cells Exacerbate Bleomycin-Induced Pulmonary Fibrosis.	Birjandi, SZ; Palchevskiy, V; Xue, YY; Nunez, S; Kern, R; Weigt, SS; Lynch, JP; Chatila, TA; Belperio, JA	2016
27323108	Artesunate modulates expression of matrix metalloproteinases and their inhibitors as well as collagen-IV to attenuate pulmonary fibrosis in rats.	Wang, Y; Huang, G; Mo, B; Wang, C	2016
27356186	Galectin-3-binding glycomimetics that strongly reduce bleomycin-induced lung fibrosis and modulate intracellular glycan recognition.	Delaine, T; Collins, P; Mac Kinnon, A; Sharma, G; Stegmayr, J; Rajput, VK; Mandal, S; Cumpstey, I; Larumbe, A; Salameh, BA; Kahl-Knutsson, B; Van Hattum, H; Van Scherpenzeel, M;	2016

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27358914	Attenuation of lung fibrosis in mice with a clinically relevant inhibitor of glutathione-S-transferase π .	McMillan, DH; van der Velden, JL; Lahue, KG; Qian, X; Schneider, RW; Iberg, MS; Nolin, JD; Abdalla, S; Casey, DT; Tew, KD; Townsend, DM; Henderson, CJ; Wolf, CR; Butnor, KJ; Taatjes, DJ; Budd, RC; Irvin, CG; van der Vliet, A; Flemer, S; Anathy, V; Janssen-Heininger, YM	2016
27381587	Protective roles of polysaccharides from <i>Ganoderma lucidum</i> on bleomycin-induced pulmonary fibrosis in rats.	Chen, J; Shi, Y; He, L; Hao, H; Wang, B; Zheng, Y; Hu, C	2016
27400124	Transcription factor TBX4 regulates myofibroblast accumulation and lung fibrosis.	Xie, T; Liang, J; Liu, N; Huan, C; Zhang, Y; Liu, W; Kumar, M; Xiao, R; D'Armiento, J; Metzger, D; Chambon, P; Papaioannou, VE; Stripp, BR; Jiang, D; Noble, PW	2016
27402190	Ultramicrosized palmitoylethanolamide (PEA-um®) in the treatment of idiopathic pulmonary fibrosis.	Di Paola, R; Impellizzeri, D; Fusco, R; Cordaro, M; Siracusa, R; Crupi, R; Esposito, E; Cuzzocrea, S	2016
27438654	Unique and Redundant Functions of p70 Ribosomal S6 Kinase Isoforms Regulate Mesenchymal Cell Proliferation and Migration in Pulmonary Fibrosis.	Madala, SK; Sontake, V; Edukulla, R; Davidson, CR; Schmidt, S; Hardie, WD	2016
27444321	miR-877-3p targets Smad7 and is associated with myofibroblast differentiation and bleomycin-induced lung fibrosis.	Wang, C; Gu, S; Cao, H; Li, Z; Xiang, Z; Hu, K; Han, X	2016
27448286	Therapeutic potential of adipose stem cell-derived conditioned medium against pulmonary hypertension and lung fibrosis.	Rathinasabapathy, A; Bruce, E; Espejo, A; Horowitz, A; Sudhan, DR; Nair, A; Guzzo, D; Francis, J; Raizada, MK; Shenoy, V; Katovich, MJ	2016
27475884	Role of histamine H4 receptor ligands in bleomycin-induced pulmonary fibrosis.	Lucarini, L; Pini, A; Rosa, AC; Lanzi, C; Durante, M; Chazot, PL; Krief, S; Schreeb, A; Stark, H; Masini, E	2016
27482070	5-HT2B receptor antagonists attenuate myofibroblast differentiation and subsequent fibrotic responses in vitro and in vivo.	Löfdahl, A; Rydell-Törmänen, K; Müller, C; Martina Holst, C; Thiman, L; Ekström, G; Wenglé, C; Larsson-Callerfelt, AK; Westergren-Thorsson, G	2016
27486964	Protein Kinase C ζ Inhibitor Promotes Resolution of Bleomycin-Induced Acute Lung Injury.	Buonfiglio, LG; Bagegni, M; Borchering, JA; Sieren, JC; Caraballo, JC; Reger, A; Zabner, J; Li, X; Comellas, AP	2016
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27556497	Calcitonin gene-related peptide down-regulates bleomycin-induced pulmonary fibrosis.	Li, XW; Li, XH; Du, J; Li, D; Li, YJ; Hu, CP	2016
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27604640	Ubiquitin carboxyl-terminal hydrolase-L5 promotes TGF β -1 signaling by de-ubiquitinating and stabilizing Smad2/Smad3 in pulmonary fibrosis.	Nan, L; Jacko, AM; Tan, J; Wang, D; Zhao, J; Kass, DJ; Ma, H; Zhao, Y	2016
27609773	Plexin C1 deficiency permits synaptotagmin 7-mediated macrophage migration and enhances mammalian lung fibrosis.	Peng, X; Moore, M; Mathur, A; Zhou, Y; Sun, H; Gan, Y; Herazo-Maya, JD; Kaminski, N; Hu, X; Pan, H; Ryu, C; Osafo-Addo, A; Homer, RJ; Feghali-Bostwick, C; Fares, WH; Gulati, M; Hu, B; Lee, CG; Elias, JA; Herzog, EL	2016
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27649046	MnTBAP Inhibits Bleomycin-Induced Pulmonary Fibrosis by Regulating VEGF and Wnt Signaling.	Venkatadri, R; Iyer, AK; Ramesh, V; Wright, C; Castro, CA; Yakisich, JS; Azad, N	2017

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27658704	Baicalin attenuates bleomycin-induced pulmonary fibrosis via adenosine A2a receptor related TGF- β 1-induced ERK1/2 signaling pathway.	Horbach, SE; Rigter, IM; Smitt, JH; Reekers, JA; Spuls, PI; van der Horst, CM	2016
27668462	Lrp5/ β -Catenin Signaling Controls Lung Macrophage Differentiation and Inhibits Resolution of Fibrosis.	Wang, L; Song, Y; Li, X; Guo, H; Zhang, G	2017
27677175	Aerobic Exercise Attenuated Bleomycin-Induced Lung Fibrosis in Th2-Dominant Mice.	Andrade-Sousa, AS; Rogério Pereira, P; MacKenzie, B; Oliveira-Junior, MC; Assumpção-Neto, E; Brandão-Rangel, MA; Damaceno-Rodrigues, NR; Garcia Caldini, E; Velosa, AP; Teodoro, WR; Ligeiro de Oliveira, AP; Dolhnikoff, M; Eickelberg, O; Vieira, RP	2016
27686964	The antifibrotic effects of alveolar macrophages 5-HT2C receptors blockade on bleomycin-induced pulmonary fibrosis in rats.	Elaidy, SM; Essawy, SS	2016
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27871152	Human Adipose-derived Mesenchymal Stem Cells Attenuate Early Stage of Bleomycin Induced Pulmonary Fibrosis: Comparison with Pirfenidone.	Reddy, M; Fonseca, L; Gowda, S; Chougule, B; Hari, A; Totey, S	2016
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28060543	Inhibition of the KCa3.1 Channel Alleviates Established Pulmonary Fibrosis in a Large Animal Model.	Organ, L; Bacci, B; Koumoundouros, E; Kimpton, WG; Samuel, CS; Nowell, CJ; Bradding, P; Roach, KM; Westall, G; Jaffar, J; Snibson, KJ	2017
28077319	Role of insulin like growth factor axis in the bleomycin induced lung injury in rats.	Kotarkonda, LK; Kulshrestha, R; Ravi, K	2017
28077599	BLT1 Mediates Bleomycin-Induced Lung Fibrosis Independently of Neutrophils and CD4+ T Cells.	Lv, J; Xiong, Y; Li, W; Yang, W; Zhao, L; He, R	2017
28093019	Prophylactic and curative effect of rosemary leaves extract in a bleomycin model of pulmonary fibrosis.	Bahri, S; Ben Ali, R; Gasmi, K; Mlika, M; Faza, S; Ksouri, R; Serairi, R; Jameleddine, S; Shlyonsky, V	2017
28115235	Anti-fibrotic effects of chronic treatment with the selective FXR agonist obeticholic acid in the bleomycin-induced rat model of pulmonary fibrosis.	Comeglio, P; Filippi, S; Sarchielli, E; Morelli, A; Cellai, I; Corcetto, F; Corno, C; Maneschi, E; Pini, A; Adorini, L; Vannelli, GB; Maggi, M; Vignozzi, L	2017
28131417	miR-18a-5p Inhibits Sub-pleural Pulmonary Fibrosis by Targeting TGF- β Receptor II.	Zhang, Q; Ye, H; Xiang, F; Song, LJ; Zhou, LL; Cai, PC; Zhang, JC; Yu, F; Shi, HZ; Su, Y; Xin, JB; Ma, WL	2017
28165468	Thy-1 interaction with Fas in lipid rafts regulates fibroblast apoptosis and lung injury resolution.	Liu, X; Wong, SS; Taype, CA; Kim, J; Shentu, TP; Espinoza, CR; Finley, JC; Bradley, JE; Head, BP; Patel, HH; Mah, EJ; Hagood, JS	2017
28179498	Loss of Twist1 in the Mesenchymal Compartment Promotes Increased Fibrosis in Experimental Lung Injury by Enhanced Expression of CXCL12.	Tan, J; Tedrow, JR; Nouraie, M; Dutta, JA; Miller, DT; Li, X; Yu, S; Chu, Y; Juan-Guardela, B; Kaminski, N; Ramani, K; Biswas, PS; Zhang, Y; Kass, DJ	2017
28182573	Amplified canonical transforming growth factor- β signalling via heat shock protein 90 in pulmonary fibrosis.	Sibinska, Z; Tian, X; Korfei, M; Kojonazarov, B; Kolb, JS; Klepetko, W; Kosanovic, D; Wygrecka, M; Ghofrani, HA; Weissmann, N; Grimminger, F; Seeger, W; Guenther, A; Schermuly, RT	2017

28192751	Ameliorative potential of linagliptin and/or calcipotriol on bleomycin-induced lung fibrosis: In vivo and in vitro study.	Kabel, AM; Abd Elmaaboud, MA; Atef, A; Baali, MH	2017
28213468	Microencapsulation of lefty-secreting engineered cells for pulmonary fibrosis therapy in mice.	Ma, H; Qiao, S; Wang, Z; Geng, S; Zhao, Y; Hou, X; Tian, W; Chen, X; Yao, L	2017
28234907	Novel form of miR-29b suppresses bleomycin-induced pulmonary fibrosis.	Yamada, Y; Takanashi, M; Sudo, K; Ueda, S; Ohno, SI; Kuroda, M	2017
28251930	Amine oxidase activity regulates the development of pulmonary fibrosis.	Marttila-Ichihara, F; Elima, K; Auvinen, K; Veres, TZ; Rantakari, P; Weston, C; Miyasaka, M; Adams, D; Jalkanen, S; Salmi, M	2017
28258190	SIRT3 deficiency promotes lung fibrosis by augmenting alveolar epithelial cell mitochondrial DNA damage and apoptosis.	Jablonski, RP; Kim, SJ; Cheresch, P; Williams, DB; Morales-Nebreda, L; Cheng, Y; Yeldandi, A; Bhorade, S; Pardo, A; Selman, M; Ridge, K; Gius, D; Budinger, GR; Kamp, DW	2017
28263743	Deficiency of Psgl-1 accelerates bleomycin (BLM)-induced lung fibrosis and inflammation in mice through activating PI3K/AKT.	Han, X; Wang, SM	2017
30854687	Lanatoside C Protects Mice against Bleomycin-induced Pulmonary Fibrosis through Suppression of Fibroblast Proliferation and Differentiation.	Nie, Y; Zhang, D; Jin, Z; Li, B; Wang, X; Che, H; You, Y; Qian, X; Zhang, Y; Zhao, P; Chai, G	2019
30854484	Targeted drug delivery via caveolae-associated protein PV1 improves lung fibrosis.	Marchetti, GM; Burwell, TJ; Peterson, NC; Cann, JA; Hanna, RN; Li, Q; Ongstad, EL; Boyd, JT; Kennedy, MA; Zhao, W; Rickert, KW; Grimsby, JS; Dall'Acqua, WF; Wu, H; Tsui, P; Borrok, MJ; Gupta, R	2019
30852423	Hydrogel-based delivery of Il-10 improves treatment of bleomycin-induced lung fibrosis in mice.	Shamskhov, EA; Kratochvil, MJ; Orcholski, ME; Nagy, N; Kaber, G; Steen, E; Balaji, S; Yuan, K; Keswani, S; Danielson, B; Gao, M; Medina, C; Nathan, A; Chakraborty, A; Bollyky, PL; De Jesus Perez, VA	2019
30847938	Mangiferin attenuates bleomycin-induced pulmonary fibrosis in mice through inhibiting TLR4/p65 and TGF- β 1/Smad2/3 pathway.	Jia, L; Sun, P; Gao, H; Shen, J; Gao, Y; Meng, C; Fu, S; Yao, H; Zhang, G	2019
30838865	Loss of myeloid-specific protein phosphatase 2A enhances lung injury and fibrosis and results in IL-10 dependent sensitization of epithelial cell apoptosis.	Sun, L; Hult, EM; Cornell, TT; Kim, KK; Shanley, TP; Wilke, CA; Agarwal, M; Gucynski, SJ; Moore, BB; Dahmer, MK	2019
30831079	Therapeutic effects of the rhSOD2-Hirudin fusion protein on bleomycin-induced pulmonary fibrosis in mice.	Shen, L; Lei, S; Huang, L; Li, S; Yi, S; Breitzig, M; Huang, M; Mo, X; Sun, H; Zheng, Q; Tian, J; Czachor, A; Wang, F	2019
30830875	Cleavage factor 25 deregulation contributes to pulmonary fibrosis through alternative polyadenylation.	Weng, T; Ko, J; Masamha, CP; Xia, Z; Xiang, Y; Chen, NY; Molina, JG; Collum, S; Mertens, TC; Luo, F; Philip, K; Davies, J; Huang, J; Wilson, C; Thandavarayan, RA; Bruckner, BA; Jyothula, SS; Volcik, KA; Li, L; Han,	2019

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30825198	Activation of PERK in ET-1- and thrombin-induced pulmonary fibroblast differentiation: Inhibitory effects of curcumin.	Chen, YC; Chen, BC; Huang, HM; Lin, SH; Lin, CH	2019
30824326	Dysregulated Lung Commensal Bacteria Drive Interleukin-17B Production to Promote Pulmonary Fibrosis through Their Outer Membrane Vesicles.	Yang, D; Chen, X; Wang, J; Lou, Q; Lou, Y; Li, L; Wang, H; Chen, J; Wu, M; Song, X; Qian, Y	2019
30785343	Delayed resolution of bleomycin-induced pulmonary fibrosis in absence of MMP13 (collagenase 3).	Cabrera, S; Maciel, M; Hernandez-Barrientos, D; Calyeca, J; Gaxiola, M; Selman, M; Pardo, A	2019
30736900	Anti-fibrotic effect of black tea (<i>Camellia sinensis</i>) extract in experimental pulmonary fibrosis.	Chakraborty, K; Dey, A; Bhattacharyya, A; Dasgupta, SC	2019
30732588	TRAIL signals through the ubiquitin ligase MID1 to promote pulmonary fibrosis.	Collison, AM; Li, J; de Siqueira, AP; Lv, X; Toop, HD; Morris, JC; Starkey, MR; Hansbro, PM; Zhang, J; Mattes, J	2019
30719057	Yangyin Yiqi Mixture Ameliorates Bleomycin-Induced Pulmonary Fibrosis in Rats through Inhibiting TGF- β 1/Smad Pathway and Epithelial to Mesenchymal Transition.	Meng, L; Zhang, X; Wang, H; Dong, H; Gu, X; Yu, X; Liu, Y	2019
30719047	Pretreatment with G-CSF Could Enhance the Antifibrotic Effect of BM-MSCs on Pulmonary Fibrosis.	Zhao, F; Liu, W; Yue, S; Yang, L; Hua, Q; Zhou, Y; Cheng, H; Luo, Z; Tang, S	2019
30709583	Costunolide inhibits pulmonary fibrosis via regulating NF- κ B and TGF- β 1/Smad2/Nrf2-NOX4 signaling pathways.	Liu, B; Rong, Y; Sun, D; Li, W; Chen, H; Cao, B; Wang, T	2019
30676324	Long noncoding RNA Malat1 regulates differential activation of macrophages and response to lung injury.	Cui, H; Banerjee, S; Guo, S; Xie, N; Ge, J; Jiang, D; Zörnig, M; Thannickal, VJ; Liu, G	2019
30666825	Iguratimod ameliorates bleomycin-induced alveolar inflammation and pulmonary fibrosis in mice by suppressing expression of matrix metalloproteinase-9.	Zhao, L; Mu, B; Zhou, R; Cheng, Y; Huang, C	2019
30659895	Vitamin D prevents experimental lung fibrosis and predicts survival in patients with idiopathic pulmonary fibrosis.	Tzilas, V; Bouros, E; Barbayianni, I; Karampitsakos, T; Kourtidou, S; Ntassiou, M; Ninou, I; Aidinis, V; Bouros, D; Tzouvelekis, A	2019
30646908	Absence of early metabolic response assessed by 18F-FDG PET/CT after initiation of antifibrotic drugs in IPF patients.	Bondue, B; Castiaux, A; Van Simaey, G; Mathey, C; Sherer, F; Egrise, D; Lacroix, S; Huaux, F; Doumont, G; Goldman, S	2019
30626221	Effect of Phoenix dactylifera L. Sap Against Bleomycin-Induced Pulmonary Fibrosis and Oxidative Stress in Rats: Phytochemical and Therapeutic Assessment.	Bahri, S; Abdennabi, R; Mlika, M; Neji, G; Jameleddine, S; Ali, RB	2019
30625178	Small molecule inhibition of IRE1 α kinase/RNase has anti-fibrotic effects in the lung.	Thamsen, M; Ghosh, R; Auyeung, VC; Brumwell, A; Chapman, HA; Backes, BJ; Perara, G; Maly, DJ; Sheppard, D; Papa, FR	2019

30611787	Niclosamide alleviates pulmonary fibrosis in vitro and in vivo by attenuation of epithelial-to-mesenchymal transition, matrix proteins & Wnt/ β -catenin signaling: A drug repurposing study.	Boyapally, R; Pulivendala, G; Bale, S; Godugu, C	2019
30611717	Reversion of in vivo fibrogenesis by novel chromone scaffolds.	Kim, HS; Yoon, YM; Meang, MK; Park, YE; Lee, JY; Lee, TH; Lee, JE; Kim, IH; Youn, BS	2019
30596712	Blockade of platelet-derived growth factor receptor- β , not receptor- α ameliorates bleomycin-induced pulmonary fibrosis in mice.	Kishi, M; Aono, Y; Sato, S; Koyama, K; Azuma, M; Abe, S; Kawano, H; Kishi, J; Toyoda, Y; Okazaki, H; Ogawa, H; Uehara, H; Nishioka, Y	2018
30586565	Dynamic decreased expression and hypermethylation of secreted frizzled-related protein 1 and 4 over the course of pulmonary fibrosis in mice.	Zhou, J; Yi, Z; Fu, Q	2019
30567504	Detrimental pro-senescence effects of vitamin D on lung fibrosis.	Guijarro, T; Magro-Lopez, E; Manso, J; Garcia-Martinez, R; Fernandez-Aceñero, MJ; Liste, I; Zambrano, A	2018
30567353	Macrophage Migration Inhibitory Factor (MIF) Inhibition in a Murine Model of Bleomycin-Induced Pulmonary Fibrosis.	Günther, S; Bordenave, J; Hua-Huy, T; Nicco, C; Cumont, A; Thuillet, R; Tu, L; Quatremarre, T; Guilbert, T; Jalce, G; Batteux, F; Humbert, M; Savale, L; Guignabert, C; Dinh-Xuan, AT	2018
30560893	Muc5b overexpression causes mucociliary dysfunction and enhances lung fibrosis in mice.	Hancock, LA; Hennessy, CE; Solomon, GM; Dobrinskikh, E; Estrella, A; Hara, N; Hill, DB; Kissner, WJ; Markovetz, MR; Grove Villalon, DE; Voss, ME; Tearney, GJ; Carroll, KS; Shi, Y; Schwarz, MI; Thelin, WR; Rowe, SM; Yang, IV; Evans, CM; Schwartz, DA	2018
30551464	Effects of pilose antler peptide on bleomycin-induced pulmonary fibrosis in mice.	Zhao, S; Zuo, W; Chen, H; Bao, T; Liu, X; Sun, T; Wang, S	2019
30543447	Intracellular Heat Shock Protein 70 Deficiency in Pulmonary Fibrosis.	Sellares, J; Veraldi, KL; Thiel, KJ; Cárdenes, N; Alvarez, D; Schneider, F; Pilewski, JM; Rojas, M; Feghali-Bostwick, CA	2018
30542075	Inhalation of the prodrug PI3K inhibitor CL27c improves lung function in asthma and fibrosis.	Campa, CC; Silva, RL; Margaria, JP; Pirali, T; Mattos, MS; Kraemer, LR; Reis, DC; Grosa, G; Copperi, F; Dalmarco, EM; Lima-Júnior, RCP; Aprile, S; Sala, V; Dal Bello, F; Prado, DS; Alves-Filho, JC; Medana, C; Cassali, GD; Tron, GC; Teixeira, MM; Ciralo, E; Russo, RC; Hirsch, E	2018
30524284	Glutamyl-Prolyl-tRNA Synthetase Regulates Epithelial Expression of Mesenchymal Markers and Extracellular Matrix Proteins: Implications for Idiopathic Pulmonary Fibrosis.	Song, DG; Kim, D; Jung, JW; Nam, SH; Kim, JE; Kim, HJ; Kim, JH; Pan, CH; Kim, S; Lee, JW	2018
30540913	The Tyrosine Kinase Inhibitor TAS-115 Attenuates Bleomycin-Induced Lung Fibrosis in Mice.	Koyama, K; Goto, H; Morizumi, S; Kagawa, K; Nishimura, H; Sato, S; Kawano, H; Toyoda, Y; Ogawa, H; Homma, S; Nishioka, Y	2018

30530916	Accelerated aging induced by deficiency of Zmpste24 protects old mice to develop bleomycin-induced pulmonary fibrosis.	Calyeca, J; Balderas-Martínez, YI; Olmos, R; Jasso, R; Maldonado, V; Rivera, Q; Selman, M; Pardo, A	2018
30530290	Salvianolic acid B attenuates experimental skin fibrosis of systemic sclerosis.	Liu, Q; Lu, J; Lin, J; Tang, Y; Pu, W; Shi, X; Jiang, S; Liu, J; Ma, Y; Li, Y; Xu, J; Jin, L; Wang, J; Wu, W	2019
30527805	Neutralization of IL-18 by IL-18 binding protein ameliorates bleomycin-induced pulmonary fibrosis via inhibition of epithelial-mesenchymal transition.	Zhang, LM; Zhang, Y; Fei, C; Zhang, J; Wang, L; Yi, ZW; Gao, G	2019
30510259	Ninjurin1 Plays a Crucial Role in Pulmonary Fibrosis by Promoting Interaction between Macrophages and Alveolar Epithelial Cells.	Choi, S; Woo, JK; Jang, YS; Kang, JH; Hwang, JI; Seong, JK; Yoon, YS; Oh, SH	2018
30481795	Lysyl Hydroxylase Inhibition by Minoxidil Blocks Collagen Deposition and Prevents Pulmonary Fibrosis via TGF- β ₁ /Smad3 Signaling Pathway.	Shao, S; Zhang, X; Duan, L; Fang, H; Rao, S; Liu, W; Guo, B; Zhang, X	2018
30474696	Amitriptyline attenuates bleomycin-induced pulmonary fibrosis: modulation of the expression of NF- κ B, iNOS, and Nrf2.	Zaafan, MA; Haridy, AR; Abdelhamid, AM	2019
30470231	M2 macrophages promote myofibroblast differentiation of LR-MSCs and are associated with pulmonary fibrogenesis.	Hou, J; Shi, J; Chen, L; Lv, Z; Chen, X; Cao, H; Xiang, Z; Han, X	2018
30448291	Attenuation of pulmonary fibrosis in type I collagen-targeted reporter mice with ALK-5 inhibitors.	Terashima, H; Aonuma, M; Tsuchida, H; Sugimoto, K; Yokoyama, M; Kato, M	2019
30443024	A standardized herbal extract PM014 ameliorates pulmonary fibrosis by suppressing the TGF- β ₁ pathway.	Kim, KH; Lee, S; Lee, H; Shin, D; Min, D; Kim, M; Ryu, B; Kim, HW; Bae, H	2018
30413725	Lung fibroblasts express a miR-19a-19b-20a sub-cluster to suppress TGF- β -associated fibroblast activation in murine pulmonary fibrosis.	Souma, K; Shichino, S; Hashimoto, S; Ueha, S; Tsukui, T; Nakajima, T; Suzuki, HI; Shand, FHW; Inagaki, Y; Nagase, T; Matsushima, K	2018
30405628	Pharmacological Inhibition of Toll-Like Receptor-4 Signaling by TAK242 Prevents and Induces Regression of Experimental Organ Fibrosis.	Bhattacharyya, S; Wang, W; Tamaki, Z; Shi, B; Yeldandi, A; Tsukimi, Y; Yamasaki, M; Varga, J	2018
30394340	Antifibrotic effects of a novel pirfenidone derivative in vitro and in vivo.	Ma, Z; Zhao, C; Chen, Q; Yu, C; Zhang, H; Zhang, Z; Huang, W; Shen, Z	2018
30387812	Isorhamnetin protects against bleomycin-induced pulmonary fibrosis by inhibiting endoplasmic reticulum stress and epithelial-mesenchymal transition.	Zheng, Q; Tong, M; Ou, B; Liu, C; Hu, C; Yang, Y	2019
30370641	Downregulation of HMGB1 is required for the protective role of Nrf2 in EMT-mediated PF.	Qu, J; Zhang, Z; Zhang, P; Zheng, C; Zhou, W; Cui, W; Xu, L; Gao, J	2019
30366943	Immune regulation by fibroblasts in tissue injury depends on uPARAP-mediated uptake of collectins.	Jürgensen, HJ; Nørregaard, KS; Sibree, MM; Santoni-Rugiu, E; Madsen, DH; Wassilew, K; Krustup, D; Garred, P; Bugge, TH; Engelholm, LH; Behrendt, N	2019
30358439	HDAC8 inhibition ameliorates pulmonary fibrosis.	Saito, S; Zhuang, Y; Suzuki, T; Ota, Y; Bateman, ME; Alkhatib, AL; Morris, GF; Lasky, JA	2019

30356086	The roles of IL-17C in T cell-dependent and -independent inflammatory diseases.	Yamaguchi, S; Nambu, A; Numata, T; Yoshizaki, T; Narushima, S; Shimura, E; Hiraishi, Y; Arae, K; Morita, H; Matsumoto, K; Hisatome, I; Sudo, K; Nakae, S	2018
30347408	Oridonin Inhibits Myofibroblast Differentiation and Bleomycin-induced Pulmonary Fibrosis by Regulating Transforming Growth Factor β (TGF β)/Smad Pathway.	Fu, Y; Zhao, P; Xie, Z; Wang, L; Chen, S	2018
30326727	Deficiency of CRTH2, a Prostaglandin D2 Receptor, Aggravates Bleomycin-induced Pulmonary Inflammation and Fibrosis.	Ueda, S; Fukunaga, K; Takihara, T; Shiraishi, Y; Oguma, T; Shiomi, T; Suzuki, Y; Ishii, M; Sayama, K; Kagawa, S; Hirai, H; Nagata, K; Nakamura, M; Miyasho, T; Betsuyaku, T; Asano, K	2019
30323883	Ouabain ameliorates bleomycin induced pulmonary fibrosis by inhibiting proliferation and promoting apoptosis of lung fibroblasts.	Li, B; Huang, X; Liu, Z; Xu, X; Xiao, H; Zhang, X; Dai, H; Wang, C	2018
30319721	A Chinese Traditional Therapy for Bleomycin-Induced Pulmonary Fibrosis in Mice.	Sun, L; Mao, M; Yan, Z; Zuo, C; Zhang, X	2018
30293251	Deficiency of Sphingosine-1-Phosphate Receptor 2 (S1P2) Attenuates Bleomycin-Induced Pulmonary Fibrosis.	Park, SJ; Im, DS	2018
30287739	Non-Canonical Regulation of Type I Collagen through Promoter Binding of SOX2 and Its Contribution to Ameliorating Pulmonary Fibrosis by Butyridenephthalide.	Chuang, HM; Ho, LI; Huang, MH; Huang, KL; Chiou, TW; Lin, SZ; Su, HL; Harn, HJ	2018
30280199	BML-111 suppresses TGF- β 1-induced lung fibroblast activation in vitro and decreases experimental pulmonary fibrosis in vivo.	Ji, YD; Luo, ZL; Chen, CX; Li, B; Gong, J; Wang, YX; Chen, L; Yao, SL; Shang, Y	2018
30277853	A Chromosome 6, not Natural Killer Cell, Contribution to Radiation- and Bleomycin-Induced Lung Disease in Mice.	Lemay, AM; Haston, CK	2018
30273543	Salvianolic acid B attenuates experimental pulmonary inflammation by protecting endothelial cells against oxidative stress injury.	Liu, Q; Shi, X; Tang, L; Xu, W; Jiang, S; Ding, W; Feng, Q; Chu, H; Ma, Y; Li, Y; Lu, J; Pu, W; Zhou, X; Jin, L; Wang, J; Wu, W	2018
30267203	Endothelial Colony-Forming Cells Do Not Participate to Fibrogenesis in a Bleomycin-Induced Pulmonary Fibrosis Model in Nude Mice.	Blandinières, A; Gille, T; Sadoine, J; Bièche, I; Slimani, L; Dizier, B; Gaussem, P; Chaussain, C; Planes, C; Dorfmueller, P; Israël-Biet, D; Smadja, DM	2018
30257954	PD-1 up-regulation on CD4+ T cells promotes pulmonary fibrosis through STAT3-mediated IL-17A and TGF- β 1 production.	Celada, LJ; Kropski, JA; Herazo-Maya, JD; Luo, W; Creecy, A; Abad, AT; Chioma, OS; Lee, G; Hassell, NE; Shaginurova, GI; Wang, Y; Johnson, JE; Kerrigan, A; Mason, WR; Baughman, RP; Ayers, GD; Bernard, GR; Culver, DA; Montgomery, CG; Maher, TM; Molyneaux, PL; Noth, I; Mutsaers, SE; Prele, CM; Peebles, RS; Newcomb, DC; Kaminski, N;	2018

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30257725	Senescence of bone marrow-derived mesenchymal stem cells from patients with idiopathic pulmonary fibrosis.	Cárdenes, N; Álvarez, D; Sellarés, J; Peng, Y; Corey, C; Wecht, S; Nouraie, SM; Shanker, S; Sembrat, J; Bueno, M; Shiva, S; Mora, AL; Rojas, M	2018
30257681	IL-32 γ attenuates airway fibrosis by modulating the integrin-FAK signaling pathway in fibroblasts.	Hong, GH; Park, SY; Kwon, HS; Bang, BR; Lee, J; Kim, SY; Pack, CG; Kim, S; Moon, KA; Kim, TB; Moon, HB; Cho, YS	2018
30254103	Hematopoietic protease nexin-1 protects against lung injury by preventing thrombin signaling in mice.	François, D; Arocas, V; Venisse, L; Aymonnier, K; Idir, L; Martos, R; Gazit, S; Couty, L; Jandrot-Perrus, M; Camerer, E; Boulaftali, Y; Bouton, MC	2018
30253845	p53 Expression in Lung Fibroblasts Is Linked to Mitigation of Fibrotic Lung Remodeling.	Nagaraja, MR; Tiwari, N; Shetty, SK; Marudamuthu, AS; Fan, L; Ostrom, RS; Fu, J; Gopu, V; Radhakrishnan, V; Idell, S; Shetty, S	2018
30227240	Inhalation treatment of idiopathic pulmonary fibrosis with curcumin large porous microparticles.	Hu, Y; Li, M; Zhang, M; Jin, Y	2018
30223424	Phosphatidylethanolamine Induces an Antifibrotic Phenotype in Normal Human Lung Fibroblasts and Ameliorates Bleomycin-Induced Lung Fibrosis in Mice.	Vazquez-de-Lara, LG; Tlatelpa-Romero, B; Romero, Y; Fernández-Tamayo, N; Vazquez-de-Lara, F; M Justo-Janeiro, J; Garcia-Carrasco, M; de-la-Rosa Paredes, R; Cisneros-Lira, JG; Mendoza-Milla, C; Moccia, F; Berra-Romani, R	2018
30219680	Sinapic acid ameliorates bleomycin-induced lung fibrosis in rats.	Raish, M; Ahmad, A; Ahmad Ansari, M; Ahad, A; Al-Jenoobi, FI; Al-Mohizea, AM; Khan, A; Ali, N	2018
30210809	Interrupted reprogramming of alveolar type II cells induces progenitor-like cells that ameliorate pulmonary fibrosis.	Guo, L; Karoubi, G; Duchesneau, P; Aoki, FG; Shutova, MV; Rogers, I; Nagy, A; Waddell, TK	2018
30206265	Inhibition of Wnt/ β -catenin signaling suppresses myofibroblast differentiation of lung resident mesenchymal stem cells and pulmonary fibrosis.	Cao, H; Wang, C; Chen, X; Hou, J; Xiang, Z; Shen, Y; Han, X	2018
30201409	Pharmacologic targeting of the ATX/LPA axis attenuates bleomycin-induced pulmonary fibrosis.	Ninou, I; Kaffe, E; Müller, S; Budd, DC; Stevenson, CS; Ullmer, C; Aidinis, V	2018
30195109	A novel Gallic acid derivative attenuates BLM-induced pulmonary fibrosis in mice.	Rong, Y; Cao, B; Liu, B; Li, W; Chen, Y; Chen, H; Liu, Y; Liu, T	2018
30186404	Pirfenidone suppresses bleomycin-induced pulmonary fibrosis and periostin expression in rats.	Song, X; Yu, W; Guo, F	2018
30175895	Suppressive Regulation by MFG-E8 of Latent Transforming Growth Factor β -Induced Fibrosis via Binding to α v Integrin: Significance in the Pathogenesis of Fibrosis in Systemic Sclerosis.	Fujiwara, C; Uehara, A; Sekiguchi, A; Uchiyama, A; Yamazaki, S; Ogino, S; Yokoyama, Y; Torii, R; Hosoi, M; Suto, C; Tsunekawa, K; Murakami, M; Ishikawa, O; Motegi, SI	2019
30173367	Fine mapping of the major bleomycin-induced pulmonary fibrosis susceptibility locus in mice.	Bergeron, ME; Stefanov, A; Haston, CK	2018

30147727	Human Endometrial Regenerative Cells Attenuate Bleomycin-Induced Pulmonary Fibrosis in Mice.	Zhao, Y; Lan, X; Wang, Y; Xu, X; Lu, S; Li, X; Zhang, B; Shi, G; Gu, X; Du, C; Wang, H	2018
30136377	Exercise training ameliorates bleomycin-induced epithelial mesenchymal transition and lung fibrosis through restoration of H2 S synthesis.	Du, SF; Wang, XL; Ye, CL; He, ZJ; Li, DX; Du, BR; Liu, YJ; Zhu, XY	2019
30135303	Localized hypoxia links ER stress to lung fibrosis through induction of C/EBP homologous protein.	Burman, A; Kropski, JA; Calvi, CL; Serezani, AP; Pascoalino, BD; Han, W; Sherrill, T; Gleaves, L; Lawson, WE; Young, LR; Blackwell, TS; Tanjore, H	2018
30130411	Mitogen-activated Protein Kinase-activated Protein Kinase 2 Inhibition Attenuates Fibroblast Invasion and Severe Lung Fibrosis.	Liang, J; Liu, N; Liu, X; Mena, JM; Xie, T; Geng, Y; Huan, C; Zhang, Y; Taghavifar, F; Huang, G; Kurkciyan, A; Barron, V; Jiang, D; Noble, PW	2019
30127784	S100A4+ Macrophages Are Necessary for Pulmonary Fibrosis by Activating Lung Fibroblasts.	Li, Y; Bao, J; Bian, Y; Erben, U; Wang, P; Song, K; Liu, S; Li, Z; Gao, Z; Qin, Z	2018
30121056	Octreotide ameliorates dermal fibrosis in bleomycin-induced scleroderma	Oyucu Orhan, S; Tektemur, A; Gözel, N; Özeran, İH; Yolbaş, S; Yıldırım, A; Önalın, E; Koca, SS	2018
30119248	Inhibition of EP300 and DDR1 synergistically alleviates pulmonary fibrosis in vitro and in vivo.	Tao, J; Zhang, M; Wen, Z; Wang, B; Zhang, L; Ou, Y; Tang, X; Yu, X; Jiang, Q	2018
30109946	Quercetin Enhances Ligand-induced Apoptosis in Senescent Idiopathic Pulmonary Fibrosis Fibroblasts and Reduces Lung Fibrosis In Vivo.	Hohmann, MS; Habel, DM; Coelho, AL; Verri, WA; Hogaboam, CM	2019
30105924	Tanshinone IIA Activates Nuclear Factor-Erythroid 2-Related Factor 2 to Restrain Pulmonary Fibrosis via Regulation of Redox Homeostasis and Glutaminolysis.	An, L; Peng, LY; Sun, NY; Yang, YL; Zhang, XW; Li, B; Liu, BL; Li, P; Chen, J	2018
30098420	The Receptor for Hyaluronan-Mediated Motility (CD168) promotes inflammation and fibrosis after acute lung injury.	Cui, Z; Liao, J; Cheong, N; Longoria, C; Cao, G; DeLisser, HM; Savani, RC	2018
30096654	Synthesis and discovery of a drug candidate for treatment of idiopathic pulmonary fibrosis through inhibition of TGF-β1 pathway.	Li, X; Lu, C; Liu, S; Shuaishuai Liu, ; Su, C; Xiao, T; Bi, Z; Sheng, P; Huang, M; Liu, X; Wei, Y; Zhao, L; Miao, S; Mao, J; Huang, K; Gao, S; Liu, N; Qi, M; Liu, T; Qin, S; Wei, L; Sun, T; Ning, W; Yang, G; Zhou, H; Yang, C	2018
30092799	Feifukang ameliorates pulmonary fibrosis by inhibiting JAK-STAT signaling pathway.	Li, H; Wang, Z; Zhang, J; Wang, Y; Yu, C; Zhang, J; Song, X; Lv, C	2018
30082522	Follistatin-Like 1 Promotes Bleomycin-Induced Pulmonary Fibrosis through the Transforming Growth Factor Beta 1/Mitogen-Activated Protein Kinase Signaling Pathway.	Jin, YK; Li, XH; Wang, W; Liu, J; Zhang, W; Fang, YS; Zhang, ZF; Dai, HP; Ning, W; Wang, C	2018
30060832	Impact of Treg on other T cell subsets in progression of fibrosis in experimental lung fibrosis.	Chakraborty, K; Chatterjee, S; Bhattacharyya, A	2018
30046348	The Influence of BuqiHuoxueTongluo Formula on Histopathology and Pulmonary Function Test in Bleomycin-Induced Idiopathic Pulmonary Fibrosis in Rats.	Yu, X; Zhang, Y; Yang, X; Zhang, X; Wang, X; Liu, X; Yan, Y	2018

30042768	IL-1-IL-17 Signaling Axis Contributes to Fibrosis and Inflammation in Two Different Murine Models of Systemic Sclerosis.	Park, MJ; Moon, SJ; Lee, EJ; Jung, KA; Kim, EK; Kim, DS; Lee, JH; Kwok, SK; Min, JK; Park, SH; Cho, ML	2018
30042678	Casein Kinase 1 δ/ϵ Inhibitor, PF670462 Attenuates the Fibrogenic Effects of Transforming Growth Factor- β in Pulmonary Fibrosis.	Keenan, CR; Langenbach, SY; Jativa, F; Harris, T; Li, M; Chen, Q; Xia, Y; Gao, B; Schuliga, MJ; Jaffar, J; Prodanovic, D; Tu, Y; Berhan, A; Lee, PVS; Westall, GP; Stewart, AG	2018
30036769	Cangrelor alleviates pulmonary fibrosis by inhibiting GPR17-mediated inflammation in mice.	Zhan, TW; Tian, YX; Wang, Q; Wu, ZX; Zhang, WP; Lu, YB; Wu, M	2018
30030077	Polysaccharides from <i>Dendrobium officinale</i> inhibit bleomycin-induced pulmonary fibrosis via the TGF β 1-Smad2/3 axis.	Chen, J; Lu, J; Wang, B; Zhang, X; Huang, Q; Yuan, J; Hao, H; Chen, X; Zhi, J; Zhao, L; Chu, H	2018
30021376	Suppression of SMOC2 reduces bleomycin (BLM)-induced pulmonary fibrosis by inhibition of TGF- β 1/SMADs pathway.	Luo, L; Wang, CC; Song, XP; Wang, HM; Zhou, H; Sun, Y; Wang, XK; Hou, S; Pei, FY	2018
29997685	Combination of <i>Salvia miltiorrhiza</i> and ligustrazine attenuates bleomycin-induced pulmonary fibrosis in rats via modulating TNF- α and TGF- β .	Huang, C; Wu, X; Wang, S; Wang, W; Guo, F; Chen, Y; Pan, B; Zhang, M; Fan, X	2018
29995294	Fructose-1,6-Bisphosphate Prevents Bleomycin-Induced Pulmonary Fibrosis in Mice and Inhibits the Proliferation of Lung Fibroblasts.	Jost, RT; Dias, HB; Krause, GC; de Souza, RG; de Souza, TR; Nuñez, NK; Dos Santos, FG; Haute, GV; da Silva Melo, DA; Pitrez, PM; da Silva, VD; Donadio, MVF; de Oliveira, JR	2018
29990528	Novel formononetin-7-sal ester ameliorates pulmonary fibrosis via MEF2c signaling pathway.	Zhao, X; Qu, G; Song, C; Li, R; Liu, W; Lv, C; Song, X; Zhang, J; Li, M	2018
29988569	The IL-33 Receptor ST2 Regulates Pulmonary Inflammation and Fibrosis to Bleomycin.	Fanny, M; Nascimento, M; Baron, L; Schricke, C; Maillet, I; Akbal, M; Riteau, N; Le Bert, M; Quesniaux, V; Ryffel, B; Gombault, A; Mème, S; Mème, W; Couillin, I	2018
29988126	Reducing protein oxidation reverses lung fibrosis.	Anathy, V; Lahue, KG; Chapman, DG; Chia, SB; Casey, DT; Aboushousha, R; van der Velden, JIJ; Elko, E; Hoffman, SM; McMillan, DH; Jones, JT; Nolin, JD; Abdalla, S; Schneider, R; Seward, DJ; Roberson, EC; Liptak, MD; Cousins, ME; Butnor, KJ; Taatjes, DJ; Budd, RC; Irvin, CG; Ho, YS; Hakem, R; Brown, KK; Matsui, R; Bachschmid, MM; Gomez, JL; Kaminski, N; van der Vliet, A; Janssen-Heininger, YMW	2018
29971947	Astragaloside IV modulates TGF- β 1-dependent epithelial-mesenchymal transition in bleomycin-induced pulmonary fibrosis.	Qian, W; Cai, X; Qian, Q; Zhang, W; Wang, D	2018
29967351	Metformin reverses established lung fibrosis in a bleomycin model.	Rangarajan, S; Bone, NB; Zmijewska, AA; Jiang, S; Park, DW; Bernard, K; Locy, ML; Ravi, S; Deshane, J; Mannon, RB; Abraham, E; Darley-	2018

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29962947	Scutellarin Enhances Antitumor Effects and Attenuates the Toxicity of Bleomycin in H22 Ascites Tumor-Bearing Mice.	Nie, J; Yang, HM; Sun, CY; Liu, YL; Zhuo, JY; Zhang, ZB; Lai, XP; Su, ZR; Li, YC	2018
29956068	Interleukin-37 Attenuates Bleomycin-Induced Pulmonary Inflammation and Fibrosis in Mice.	Li, Y; Gao, Q; Xu, K; Peng, X; Yuan, X; Jiang, W; Li, M	2018
29952219	Inhibition of lncRNA PFRL prevents pulmonary fibrosis by disrupting the miR-26a/smad2 loop.	Jiang, H; Chen, Y; Yu, T; Zhao, X; Shan, H; Sun, J; Zhang, L; Li, X; Shan, H; Liang, H	2018
29947539	Endothelial-derived endothelin-1 promotes pulmonary vascular remodeling in bleomycin-induced pulmonary fibrosis.	Hartopo, AB; Arfian, N; Nakayama, K; Suzuki, Y; Yagi, K; Emoto, N	2018
29946261	A Chinese Herbal Formula Ameliorates Pulmonary Fibrosis by Inhibiting Oxidative Stress via Upregulating Nrf2.	Bai, Y; Li, J; Zhao, P; Li, Y; Li, M; Feng, S; Qin, Y; Tian, Y; Zhou, T	2018
29943845	A novel molecular mechanism of microRNA-21 inducing pulmonary fibrosis and human pulmonary fibroblast extracellular matrix through transforming growth factor β 1-mediated SMADs activation.	Zhou, J; Xu, Q; Zhang, Q; Wang, Z; Guan, S	2018
29940125	Quercetin ameliorates pulmonary fibrosis by inhibiting SphK1/S1P signaling.	Zhang, X; Cai, Y; Zhang, W; Chen, X	2018
29926545	The Effects of Retinoic Acid and MAPK Inhibitors on Phosphorylation of Smad2/3 Induced by Transforming Growth Factor β 1.	Lee, SH; Shin, JH; Shin, MH; Kim, YS; Chung, KS; Song, JH; Kim, SY; Kim, EY; Jung, JY; Kang, YA; Chang, J; Park, MS	2019
29926178	Dasatinib Suppresses TGF β -Mediated Epithelial-Mesenchymal Transition in Alveolar Epithelial Cells and Inhibits Pulmonary Fibrosis.	Kanemaru, R; Takahashi, F; Kato, M; Mitsuishi, Y; Tajima, K; Ihara, H; Hidayat, M; Wirawan, A; Koinuma, Y; Hayakawa, D; Yagishita, S; Ko, R; Sato, T; Harada, N; Kodama, Y; Nurwidya, F; Sasaki, S; Niwa, SI; Takahashi, K	2018
29925920	Telomere shortening activates TGF- β /Smads signaling in lungs and enhances both lipopolysaccharide and bleomycin-induced pulmonary fibrosis.	Liu, YY; Shi, Y; Liu, Y; Pan, XH; Zhang, KX	2018
29923060	Therapeutic effects of obeticholic acid (OCA) treatment in a bleomycin-induced pulmonary fibrosis rat model.	Comeglio, P; Filippi, S; Sarchielli, E; Morelli, A; Cellai, I; Corno, C; Pini, A; Adorini, L; Vannelli, GB; Maggi, M; Vignozzi, L	2019
29913150	SIS3, a specific inhibitor of smad3, attenuates bleomycin-induced pulmonary fibrosis in mice.	Shou, J; Cao, J; Zhang, S; Sun, R; Zhao, M; Chen, K; Su, SB; Yang, J; Yang, T	2018
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29881712	Early and late preventive effect of Nigella sativa on the bleomycin-induced pulmonary fibrosis in rats: An experimental study.	Poursalehi, HR; Samareh Fekri, M; Sharifi Far, F; Mandegari, A; Izadi, A; Mahmoodi, R; Nematollahi, H;	2018

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29873400	Fibroblast growth factor 2 decreases bleomycin-induced pulmonary fibrosis and inhibits fibroblast collagen production and myofibroblast differentiation.	Koo, HY; El-Baz, LM; House, S; Cilvik, SN; Dorry, SJ; Shoukry, NM; Salem, ML; Hafez, HS; Dulin, NO; Ornitz, DM; Guzy, RD	2018
29871641	Parthenolide attenuated bleomycin-induced pulmonary fibrosis via the NF- κ B/Snail signaling pathway.	Li, XH; Xiao, T; Yang, JH; Qin, Y; Gao, JJ; Liu, HJ; Zhou, HG	2018
29864937	FGF21 attenuates pulmonary fibrogenesis through ameliorating oxidative stress in vivo and in vitro.	Zhang, S; Yu, D; Wang, M; Huang, T; Wu, H; Zhang, Y; Zhang, T; Wang, W; Yin, J; Ren, G; Li, D	2018
29856737	Mesenchymal stromal cells from human umbilical cord prevent the development of lung fibrosis in immunocompetent mice.	Moroncini, G; Paolini, C; Orlando, F; Capelli, C; Grieco, A; Tonnini, C; Agarbati, S; Mondini, E; Saccomanno, S; Goteri, G; Svegliati Baroni, S; Provinciali, M; Introna, M; Del Papa, N; Gabrielli, A	2018
29854623	Effects of formaldehyde exposure on the development of pulmonary fibrosis induced by bleomycin in mice.	Leal, MP; Brochetti, RA; Ignácio, A; Câmara, NOS; da Palma, RK; de Oliveira, LVF; de Fátima Teixeira da Silva, D; Lino-Dos-Santos-Franco, A	2018
29849916	Gefitinib Inhibits Bleomycin-Induced Pulmonary Fibrosis via Alleviating the Oxidative Damage in Mice.	Li, L; Cai, L; Zheng, L; Hu, Y; Yuan, W; Guo, Z; Li, W	2018
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29844390	The hedgehog and Wnt/ β -catenin system machinery mediate myofibroblast differentiation of LR-MSCs in pulmonary fibrogenesis.	Chen, X; Shi, C; Cao, H; Chen, L; Hou, J; Xiang, Z; Hu, K; Han, X	2018
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29793317	Metformin alleviates bleomycin-induced pulmonary fibrosis in rats: Pharmacological effects and molecular mechanisms.	Gamad, N; Malik, S; Suchal, K; Vasisht, S; Tomar, A; Arava, S; Arya, DS; Bhatia, J	2018
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29777878	Pulmonary delivery of polyplexes for combined PAI-1 gene silencing and CXCR4 inhibition to treat lung fibrosis.	Ding, L; Zhu, C; Yu, F; Wu, P; Chen, G; Ullah, A; Wang, K; Sun, M; Li, J; Oupický, D	2018

29752961	Dihydroartemisinin alleviates oxidative stress in bleomycin-induced pulmonary fibrosis.	Yang, DX; Qiu, J; Zhou, HH; Yu, Y; Zhou, DL; Xu, Y; Zhu, MZ; Ge, XP; Li, JM; Lv, CJ; Zhang, HQ; Yuan, WD	2018
29747538	Protective effect of standardized extract of <i>Myrtus communis</i> L. (myrtle) on experimentally bleomycin-induced pulmonary fibrosis: biochemical and histopathological study.	Samareh Fekri, M; Mandegary, A; Sharififar, F; Poursalehi, HR; Nematollahi, MH; Izadi, A; Mehdipour, M; Asadi, A; Samareh Fekri, M	2018
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29733296	FOXO1 is a critical driver of lung fibroblast activation and fibrogenesis.	Penke, LR; Speth, JM; Dommeti, VL; White, ES; Bergin, IL; Peters-Golden, M	2018
29731719	rhACE2 Therapy Modifies Bleomycin-Induced Pulmonary Hypertension via Rescue of Vascular Remodeling.	Rathinasabapathy, A; Bryant, AJ; Suzuki, T; Moore, C; Shay, S; Gladson, S; West, JD; Carrier, EJ	2018
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29725493	Intermittent Hypoxia Increases the Severity of Bleomycin-Induced Lung Injury in Mice.	Gille, T; Didier, M; Rotenberg, C; Delbrel, E; Marchant, D; Sutton, A; Dard, N; Haine, L; Voituren, N; Bernaudin, JF; Valeyre, D; Nunes, H; Besnard, V; Boncoeur, E; Planès, C	2018
29722566	Inhibition of Raf1 ameliorates bleomycin-induced pulmonary fibrosis through attenuation of TGF- β 1 signaling.	Li, S; Liu, J; Tan, J; Li, L; Kaltreider, MJ; Zhao, J; Kass, DJ; Shang, D; Zhao, Y	2018
29722562	NMDA receptor activation inhibits the antifibrotic effect of BM-MSCs on bleomycin-induced pulmonary fibrosis.	Li, X; Li, C; Tang, Y; Huang, Y; Cheng, Q; Huang, X; Zhao, F; Hao, C; Feng, D; Xu, J; Han, J; Tang, S; Liu, W; Yue, S; Luo, Z	2018
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29704504	Inhibition of mTOR ameliorates bleomycin-induced pulmonary fibrosis by regulating epithelial-mesenchymal transition.	Han, Q; Lin, L; Zhao, B; Wang, N; Liu, X	2018
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29676583	Reticulocalbin 3 Deficiency in Alveolar Epithelium Exacerbated Bleomycin-induced Pulmonary Fibrosis.	Jin, J; Shi, X; Li, Y; Zhang, Q; Guo, Y; Li, C; Tan, P; Fang, Q; Ma, Y; Ma, RZ	2018
29674691	Aloperine Protects Mice against Bleomycin-induced Pulmonary Fibrosis by Attenuating Fibroblast Proliferation and Differentiation.	Yin, W; Han, J; Zhang, Z; Han, Z; Wang, S	2018
29670467	TRAIL-Dependent Resolution of Pulmonary Fibrosis.	Habiel, DM; Moreira, AP; Ismailoglu, UB; Dunleavy, MP; Cavassani, KA; van Rooijen, N; Coelho, AL; Hogaboam, CM	2018
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29636695	The Selective Angiotensin II Type 2 Receptor Agonist, Compound 21, Attenuates the Progression of Lung Fibrosis and Pulmonary Hypertension in an Experimental Model of Bleomycin-Induced Lung Injury.	Rathinasabapathy, A; Horowitz, A; Horton, K; Kumar, A; Gladson, S; Unger, T; Martinez, D; Bedse, G; West, J; Raizada, MK; Steckelings, UM; Sumners, C; Katovich, MJ; Shenoy, V	2018
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29623041	An Adaptogen: Withaferin A Ameliorates in Vitro and in Vivo Pulmonary Fibrosis by Modulating the Interplay of Fibrotic, Matricellular Proteins, and Cytokines.	Bale, S; Venkatesh, P; Sunkoju, M; Godugu, C	2018
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29609658	Sulforaphane attenuates pulmonary fibrosis by inhibiting the epithelial-mesenchymal transition.	Kyung, SY; Kim, DY; Yoon, JY; Son, ES; Kim, YJ; Park, JW; Jeong, SH	2018
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29444413	Involvement of Alveolar Epithelial Cell Necroptosis in Idiopathic Pulmonary Fibrosis Pathogenesis.	Lee, JM; Yoshida, M; Kim, MS; Lee, JH; Baek, AR; Jang, AS; Kim, DJ; Minagawa, S; Chin, SS; Park, CS; Kuwano, K; Park, SW; Araya, J	2018
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29411215	The lncRNA H19 Mediates Pulmonary Fibrosis by Regulating the miR-196a/COL1A1 Axis.	Lu, Q; Guo, Z; Xie, W; Jin, W; Zhu, D; Chen, S; Ren, T	2018
29409529	The JAK2 pathway is activated in idiopathic pulmonary fibrosis.	Milara, J; Hernandez, G; Ballester, B; Morell, A; Roger, I; Montero, P; Escrivá, J; Lloris, JM; Molina-Molina, M; Morcillo, E; Cortijo, J	2018
29408757	Therapeutic administration of inhaled INS1009, a treprostinil prodrug formulation, inhibits bleomycin-induced pulmonary fibrosis in rats.	Corboz, MR; Zhang, J; LaSala, D; DiPetrillo, K; Li, Z; Malinin, V; Brower, J; Kuehl, PJ; Barrett, TE; Perkins, WR; Chapman, RW	2018
29408570	Orally administered berberine ameliorates bleomycin-induced pulmonary fibrosis in mice through promoting activation of PPAR- γ and subsequent expression of HGF in colons.	Guan, C; Qiao, S; Lv, Q; Cao, N; Wang, K; Dai, Y; Wei, Z	2018
29394529	Regulation of Transforming Growth Factor- β /Smad-mediated Epithelial-Mesenchymal Transition by Celastrol Provides Protection against Bleomycin-induced Pulmonary Fibrosis.	Divya, T; Velavan, B; Sudhandiran, G	2018
29393339	The NALP3 inflammasome is required for collagen synthesis via the NF- κ B pathway.	Kuang, J; Xie, M; Wei, X	2018
29387126	Long-Term Effects of TCM Yangqing Kangxian Formula on Bleomycin-Induced Pulmonary Fibrosis in Rats via Regulating Nuclear Factor- κ B Signaling.	Li, M; Li, Y; Li, J; Zhao, P; Bai, Y; Feng, S; Liu, X; Wang, Y; Bian, Q; Li, J	2017

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29378675	Therapeutic effects of telomerase in mice with pulmonary fibrosis induced by damage to the lungs and short telomeres.	Povedano, JM; Martinez, P; Serrano, R; Tejera, Á; Gómez-López, G; Bobadilla, M; Flores, JM; Bosch, F; Blasco, MA	2018
29363258	ATF3 represses PINK1 gene transcription in lung epithelial cells to control mitochondrial homeostasis.	Bueno, M; Brands, J; Voltz, L; Fiedler, K; Mays, B; St Croix, C; Sembrat, J; Mallampalli, RK; Rojas, M; Mora, AL	2018
29362432	Nrf2 antioxidant pathway suppresses Numb-mediated epithelial-mesenchymal transition during pulmonary fibrosis.	Zhang, Z; Qu, J; Zheng, C; Zhang, P; Zhou, W; Cui, W; Mo, X; Li, L; Xu, L; Gao, J	2018
29338156	Attenuating Effect of Long-term Culture of Umbilical Cord Vein Mesenchymal Stromal Cells on Pulmonary Fibrosis in C57BL/6 Mice.	Moradi, M; Rezaee, MA; Mohammadi, M; Rezaie, MJ; Jalili, A; Rahmani, MR	2017
29312299	Stimulator of Interferon Genes Deficiency in Acute Exacerbation of Idiopathic Pulmonary Fibrosis.	Qiu, H; Weng, D; Chen, T; Shen, L; Chen, SS; Wei, YR; Wu, Q; Zhao, MM; Li, QH; Hu, Y; Zhang, Y; Zhou, Y; Su, YL; Zhang, F; Lu, LQ; Zhou, NY; Li, SL; Zhang, LL; Wang, C; Li, HP	2017
29311918	GHK Peptide Inhibits Bleomycin-Induced Pulmonary Fibrosis in Mice by Suppressing TGFβ1/Smad-Mediated Epithelial-to-Mesenchymal Transition.	Zhou, XM; Wang, GL; Wang, XB; Liu, L; Zhang, Q; Yin, Y; Wang, QY; Kang, J; Hou, G	2017
29297621	Amnion Epithelial Cell-Derived Exosomes Restrict Lung Injury and Enhance Endogenous Lung Repair.	Tan, JL; Lau, SN; Leaw, B; Nguyen, HPT; Salamonsen, LA; Saad, MI; Chan, ST; Zhu, D; Krause, M; Kim, C; Sievert, W; Wallace, EM; Lim, R	2018
29294256	Protective effect of hydroxysafflor yellow A on bleomycin- induced pulmonary inflammation and fibrosis in rats.	Jin, M; Wang, L; Wu, Y; Zang, BX; Tan, L	2018
29290631	Emodin Attenuates Bleomycin-Induced Pulmonary Fibrosis via Anti-Inflammatory and Anti-Oxidative Activities in Rats.	Tian, SL; Yang, Y; Liu, XL; Xu, QB	2018
29283216	A Lipidomics Approach to Identifying Key Lipid Species Involved in VEGF-Inhibitor Mediated Attenuation of Bleomycin-Induced Pulmonary Fibrosis.	Kulkarni, YM; Dutta, S; Iyer, AKV; Wright, CA; Ramesh, V; Kaushik, V; Semmes, OJ; Azad, N	2018
29279415	Leucine-rich α-2 glycoprotein promotes lung fibrosis by modulating TGF-β signaling in fibroblasts.	Honda, H; Fujimoto, M; Serada, S; Urushima, H; Mishima, T; Lee, H; Ohkawara, T; Kohno, N; Hattori, N; Yokoyama, A; Naka, T	2017
29278701	Gentiopicroside ameliorates bleomycin-induced pulmonary fibrosis in mice via inhibiting inflammatory and fibrotic process.	Chen, C; Wang, YY; Wang, YX; Cheng, MQ; Yin, JB; Zhang, X; Hong, ZP	2018
29262578	Activation of cannabinoid receptor type 2 by JWH133 alleviates bleomycin-induced pulmonary fibrosis in mice.	Fu, Q; Zheng, Y; Dong, X; Wang, L; Jiang, CG	2017
29256173	Gene Network Analysis of Interstitial Macrophages After Treatment with Induced Pluripotent Stem Cells Secretome (iPSC-cm) in the Bleomycin Injured Rat Lung.	Tamò, L; Simillion, C; Hibaoui, Y; Feki, A; Gugger, M; Prasse, A; Jäger, B; Goldmann, T; Geiser, T; Gazdhar, A	2018

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29220597	Dietary NaCl affects bleomycin-induced lung fibrosis in mice.	Chen, W; Pilling, D; Gomer, RH	2017
29220578	PD-1/PD-L1 Pathway Mediates the Alleviation of Pulmonary Fibrosis by Human Mesenchymal Stem Cells in Humanized Mice.	Ni, K; Liu, M; Zheng, J; Wen, L; Chen, Q; Xiang, Z; Lam, KT; Liu, Y; Chan, GC; Lau, YL; Tu, W	2018
29217661	FoxO3 an important player in fibrogenesis and therapeutic target for idiopathic pulmonary fibrosis.	Al-Tamari, HM; Dabral, S; Schmall, A; Sarvari, P; Ruppert, C; Paik, J; DePinho, RA; Grimminger, F; Eickelberg, O; Guenther, A; Seeger, W; Savai, R; Pullamsetti, SS	2018
29212801	Roles of high-mobility group box 1 and thrombin in murine pulmonary fibrosis and the therapeutic potential of thrombomodulin.	Kida, T; Seno, T; Nagahara, H; Inoue, T; Nakabayashi, A; Kukida, Y; Fujioka, K; Fujii, W; Wada, M; Kohno, M; Kawahito, Y	2018
29211497	The Rho Kinase Isoforms ROCK1 and ROCK2 Each Contribute to the Development of Experimental Pulmonary Fibrosis.	Knipe, RS; Probst, CK; Lagares, D; Franklin, A; Spinney, JJ; Brazee, PL; Grasberger, P; Zhang, L; Black, KE; Sakai, N; Shea, BS; Liao, JK; Medoff, BD; Tager, AM	2018
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29203799	Essential involvement of the CX3CL1-CX3CR1 axis in bleomycin-induced pulmonary fibrosis via regulation of fibrocyte and M2 macrophage migration.	Ishida, Y; Kimura, A; Nosaka, M; Kuninaka, Y; Hemmi, H; Sasaki, I; Kaisho, T; Mukaida, N; Kondo, T	2017
29200204	Thyroid hormone inhibits lung fibrosis in mice by improving epithelial mitochondrial function.	Yu, G; Tzouveleakis, A; Wang, R; Herazo-Maya, JD; Ibarra, GH; Srivastava, A; de Castro, JPW; DeJuliis, G; Ahangari, F; Woolard, T; Aurelien, N; Arrojo E Drigo, R; Gan, Y; Graham, M; Liu, X; Homer, RJ; Scanlan, TS; Mannam, P; Lee, PJ; Herzog, EL; Bianco, AC; Kaminski, N	2018
29185215	Nickle(II) ions exacerbate bleomycin-induced pulmonary inflammation and fibrosis by activating the ROS/Akt signaling pathway.	Yang, L; Lin, Z; Wang, Y; Li, C; Xu, W; Li, Q; Yao, W; Song, Z; Liu, G	2018
29172997	Identification of ANXA2 (annexin A2) as a specific bleomycin target to induce pulmonary fibrosis by impeding TFEB-mediated autophagic flux.	Wang, K; Zhang, T; Lei, Y; Li, X; Jiang, J; Lan, J; Liu, Y; Chen, H; Gao, W; Xie, N; Chen, Q; Zhu, X; Liu, X; Xie, K; Peng, Y; Nice, EC; Wu, M; Huang, C; Wei, Y	2018
29172151	Oxidative stress-driven pulmonary inflammation and fibrosis in a mouse model of human ataxia-telangiectasia.	Duecker, R; Baer, P; Eickmeier, O; Strecker, M; Kurz, J; Schaible, A; Henrich, D; Zielen, S; Schubert, R	2018
29167193	Airway transplantation of adipose stem cells protects against bleomycin-induced pulmonary fibrosis.	Llontop, P; Lopez-Fernandez, D; Clavo, B; Afonso Martín, JL; Fiuza-Pérez, MD; García Arranz, M; Calatayud, J; Molins López-Rodó, L;	2018

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29152045	Discovery of Indolinone-Based Multikinase Inhibitors as Potential Therapeutics for Idiopathic Pulmonary Fibrosis.	Huang, Z; Li, H; Zhang, Q; Lu, F; Hong, M; Zhang, Z; Guo, X; Zhu, Y; Li, S; Liu, H	2017
29138212	Bax-inhibiting peptide attenuates bleomycin-induced lung injury in mice.	Suzuki, K; Yanagihara, T; Yokoyama, T; Maeyama, T; Ogata-Suetsugu, S; Arimura-Omori, M; Mikumo, H; Hamada, N; Harada, E; Kuwano, K; Harada, T; Nakanishi, Y	2017
29133960	Divergent roles for Clusterin in Lung Injury and Repair.	Habiel, DM; Camelo, A; Espindola, M; Burwell, T; Hanna, R; Miranda, E; Carruthers, A; Bell, M; Coelho, AL; Liu, H; Pilataxi, F; Clarke, L; Grant, E; Lewis, A; Moore, B; Knight, DA; Hogaboam, CM; Murray, LA	2017
29131071	Highly Selective Endothelin-1 Receptor A Inhibition Prevents Bleomycin-Induced Pulmonary Inflammation and Fibrosis in Mice.	Manitsopoulos, N; Nikitopoulou, I; Maniatis, NA; Magkou, C; Kotanidou, A; Orfanos, SE	2018
29122847	Human airway trypsin-like protease exerts potent, antifibrotic action in pulmonary fibrosis.	Menou, A; Flajolet, P; Duitman, J; Justet, A; Moog, S; Jaillet, M; Tabèze, L; Solhonne, B; Garnier, M; Mal, H; Mordant, P; Castier, Y; Cazes, A; Sallenave, JM; Mailleux, AA; Crestani, B	2018
29118902	Inhibitory effects of thalidomide on bleomycin-induced pulmonary fibrosis in rats via regulation of thioredoxin reductase and inflammations.	Dong, X; Li, X; Li, M; Chen, M; Fan, Q; Wei, W	2017
29118338	Sialidase inhibitors attenuate pulmonary fibrosis in a mouse model.	Karhadkar, TR; Pilling, D; Cox, N; Gomer, RH	2017
29115860	Lysyl Oxidase-Like 1 Protein Deficiency Protects Mice from Adenoviral Transforming Growth Factor- β 1-induced Pulmonary Fibrosis.	Bellaye, PS; Shimbori, C; Upagupta, C; Sato, S; Shi, W; Gauldie, J; Ask, K; Kolb, M	2018
29115383	Induced pluripotent stem cell-conditioned medium suppresses pulmonary fibroblast-to-myofibroblast differentiation via the inhibition of TGF- β 1/Smad pathway.	Zhou, Y; Zhang, Q; Gao, Y; Tan, M; Zheng, R; Zhao, L; Zhang, X	2018
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29079188	KLF2 attenuates bleomycin-induced pulmonary fibrosis and inflammation with regulation of AP-1.	Shi, J; Zhou, LR; Wang, XS; Du, JF; Jiang, MM; Song, Z; Han, GC; Mai, ZT	2018
29061768	Cutting Edge: Anti-TIM-3 Treatment Exacerbates Pulmonary Inflammation and Fibrosis in Mice.	Isshiki, T; Akiba, H; Nakayama, M; Harada, N; Okumura, K; Homma, S; Miyake, S	2017
29053339	Extracellular Matrix Cross-Linking Enhances Fibroblast Growth and Protects against Matrix Proteolysis in Lung Fibrosis.	Philp, CJ; Siebeke, I; Clements, D; Miller, S; Habgood, A; John, AE; Navaratnam, V; Hubbard, RB; Jenkins, G; Johnson, SR	2018
29045477	Tubastatin ameliorates pulmonary fibrosis by targeting the TGF β -PI3K-Akt pathway.	Saito, S; Zhuang, Y; Shan, B; Danchuk, S; Luo, F; Korfei, M; Guenther, A; Lasky, JA	2017
29035148	Treatment of pulmonary fibrosis with siRNA against a collagen-specific chaperone HSP47 in vitamin A-coupled liposomes.	Otsuka, M; Shiratori, M; Chiba, H; Kuronuma, K; Sato, Y; Niitsu, Y; Takahashi, H	2017
29031221	Effects of particulate matter from straw burning on lung fibrosis in mice.	Hu, Y; Wang, LS; Li, Y; Li, QH; Li, CL; Chen, JM; Weng, D; Li, HP	2017
29029436	XIST/miR-139 axis regulates bleomycin (BLM)-induced extracellular matrix (ECM) and pulmonary fibrosis through β -catenin.	Wang, Y; Liang, Y; Luo, J; Nie, J; Yin, H; Chen, Q; Dong, J; Zhu, J; Xia, J; Shuai, W	2017
29019702	Inhibition of Phosphoglycerate Dehydrogenase Attenuates Bleomycin-induced Pulmonary Fibrosis.	Hamanaka, RB; Nigdelioglu, R; Meliton, AY; Tian, Y; Witt, LJ; O'Leary, E; Sun, KA; Woods, PS; Wu, D; Ansbrosio, B; Ard, S; Rohde, JM; Dulin, NO; Guzy, RD; Mutlu, GM	2018
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28977842	Sirtuin 6 inhibits epithelial to mesenchymal transition during idiopathic pulmonary fibrosis via inactivating TGF- β 1/Smad3 signaling.	Tian, K; Chen, P; Liu, Z; Si, S; Zhang, Q; Mou, Y; Han, L; Wang, Q; Zhou, X	2017
28936122	Depletion of club cells attenuates bleomycin-induced lung injury and fibrosis in mice.	Yokoyama, T; Yanagihara, T; Suzuki, K; Hamada, N; Tsubouchi, K; Ogata-Suetsugu, S; Mikumo, H; Ikeda-Harada, C; Maeyama, T; Kuwano, K; Nakanishi, Y	2017
28915065	Targeting Hypoxia-Inducible Factor-1 α /Pyruvate Dehydrogenase Kinase 1 Axis by Dichloroacetate Suppresses Bleomycin-induced Pulmonary Fibrosis.	Goodwin, J; Choi, H; Hsieh, MH; Neugent, ML; Ahn, JM; Hayenga, HN; Singh, PK; Shackelford, DB; Lee, IK; Shulaev, V; Dhar, S; Takeda, N; Kim, JW	2018
28878780	P2Y6 Receptor Activation Promotes Inflammation and Tissue Remodeling in Pulmonary Fibrosis.	Müller, T; Fay, S; Vieira, RP; Karmouty-Quintana, H; Cicko, S; Ayata, CK; Zissel, G; Goldmann, T; Lungarella, G; Ferrari, D; Di Virgilio, F; Robaye, B; Boeynaems, JM; Lazarowski, ER; Blackburn, MR; Idzko, M	2017

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28877257	Rosmarinic acid potentiates carnosic acid induced apoptosis in lung fibroblasts.	Bahri, S; Mies, F; Ben Ali, R; Mlika, M; Jameleddine, S; Mc Entee, K; Shlyonsky, V	2017
28862882	Myeloid-derived Suppressor Cells Are Necessary for Development of Pulmonary Hypertension.	Bryant, AJ; Shenoy, V; Fu, C; Marek, G; Lorentsen, KJ; Herzog, EL; Brantly, ML; Avram, D; Scott, EW	2018
28860147	Blockade of extracellular heat shock protein 90 α by 1G6-D7 attenuates pulmonary fibrosis through inhibiting ERK signaling.	Dong, H; Luo, L; Zou, M; Huang, C; Wan, X; Hu, Y; Le, Y; Zhao, H; Li, W; Zou, F; Cai, S	2017
28850249	Deletion of c-FLIP from CD11bhi Macrophages Prevents Development of Bleomycin-induced Lung Fibrosis.	McCubbrey, AL; Barthel, L; Mohning, MP; Redente, EF; Mould, KJ; Thomas, SM; Leach, SM; Danhorn, T; Gibbings, SL; Jakubzick, CV; Henson, PM; Janssen, WJ	2018
28848434	Astragaloside IV Improves Bleomycin-Induced Pulmonary Fibrosis in Rats by Attenuating Extracellular Matrix Deposition.	Li, LC; Xu, L; Hu, Y; Cui, WJ; Cui, WH; Zhou, WC; Kan, LD	2017
28836874	Anti-fibrosis effect for Hirsutella sinensis mycelium based on inhibition of mTOR p70S6K phosphorylation.	Yue, H; Zhao, Y; Wang, H; Ma, F; Liu, F; Shen, S; Hou, Y; Dou, H	2017
28822966	Inhibitory actions of the NRG-1/ErbB4 pathway in macrophages during tissue fibrosis in the heart, skin, and lung.	Vermeulen, Z; Hervent, AS; Dugaucquier, L; Vandekerckhove, L; Rombouts, M; Beyens, M; Schrijvers, DM; De Meyer, GRY; Maudsley, S; De Keulenaer, GW; Segers, VFM	2017
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28821451	5-HT7 receptor antagonism (SB-269970) attenuates bleomycin-induced pulmonary fibrosis in rats via downregulating oxidative burden and inflammatory cascades and ameliorating collagen deposition: Comparison to terguride.	Tawfik, MK; Makary, S	2017
28821136	Discovery of enzymatically depolymerized heparins capable of treating Bleomycin-induced pulmonary injury and fibrosis in mice.	Yan, Y; Du, S; Ji, Y; Su, N; Wang, Y; Mei, X; Zhu, W; He, D; Lu, Y; Zhang, C; Xing, XH	2017
28820502	Oligonucleotide-targeting periostin ameliorates pulmonary fibrosis.	Tomaru, A; Kobayashi, T; Hinneh, JA; Baffour Tonto, P; D'Alessandro-Gabazza, CN; Fujimoto, H; Fujiwara, K; Takahashi, Y; Ohnishi, M; Yasuma, T; Nishihama, K; Yoshino, M; Takao, K; Toda, M; Totoki, T; Takei, Y; Yoshikawa, K; Taguchi, O; Gabazza, EC	2017
28817691	Rac2 is required for alternative macrophage activation and bleomycin induced pulmonary fibrosis; a macrophage autonomous phenotype.	Joshi, S; Singh, AR; Wong, SS; Zulcic, M; Jiang, M; Pardo, A; Selman, M; Hagood, JS; Durden, DL	2017

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28816009	Protective Effect of Atazanavir Sulphate Against Pulmonary Fibrosis In Vivo and In Vitro.	Song, S; Ji, Y; Zhang, G; Zhang, X; Li, B; Li, D; Jiang, W	2018
28814671	Antifibrotic role of vascular endothelial growth factor in pulmonary fibrosis.	Murray, LA; Habel, DM; Hohmann, M; Camelo, A; Shang, H; Zhou, Y; Coelho, AL; Peng, X; Gulati, M; Crestani, B; Sleeman, MA; Mustelin, T; Moore, MW; Ryu, C; Osafo-Addo, AD; Elias, JA; Lee, CG; Hu, B; Herazo-Maya, JD; Knight, DA; Hogaboam, CM; Herzog, EL	2017
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28801346	Pan-PPAR agonist IVA337 is effective in experimental lung fibrosis and pulmonary hypertension.	Avouac, J; Konstantinova, I; Guignabert, C; Pezet, S; Sadoine, J; Guilbert, T; Cauvet, A; Tu, L; Luccarini, JM; Junien, JL; Broqua, P; Allanore, Y	2017
28800254	Sirtuin1 Protects against Systemic Sclerosis-related Pulmonary Fibrosis by Decreasing Proinflammatory and Profibrotic Processes.	Chu, H; Jiang, S; Liu, Q; Ma, Y; Zhu, X; Liang, M; Shi, X; Ding, W; Zhou, X; Zou, H; Qian, F; Shaul, PW; Jin, L; Wang, J	2018
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28783251	Safety and Efficacy of Allogeneic Lung Spheroid Cells in a Mismatched Rat Model of Pulmonary Fibrosis.	Cores, J; Hensley, MT; Kinlaw, K; Rikard, SM; Dinh, PU; Paudel, D; Tang, J; Vandergriff, AC; Allen, TA; Li, Y; Liu, J; Niu, B; Chi, Y; Caranasos, T; Lobo, LJ; Cheng, K	2017
28779430	Protective role of NKT cells and macrophage M2-driven phenotype in bleomycin-induced pulmonary fibrosis.	Grabarz, F; Aguiar, CF; Correa-Costa, M; Braga, TT; Hyane, MI; Andrade-Oliveira, V; Landgraf, MA; Câmara, NOS	2018
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28743499	All-trans retinoic acid attenuates bleomycin-induced pulmonary fibrosis via downregulating EphA2-EphrinA1 signaling.	Leem, AY; Shin, MH; Douglas, IS; Song, JH; Chung, KS; Kim, EY; Jung, JY; Kang, YA; Chang, J; Kim, YS; Park, MS	2017

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28730510	Antiinflammation and Antioxidant Effects of Thalidomide on Pulmonary Fibrosis in Mice and Human Lung Fibroblasts.	Dong, X; Li, X; Li, M; Chen, M; Fan, Q; Wei, W	2017
28726637	MicroRNA-101 attenuates pulmonary fibrosis by inhibiting fibroblast proliferation and activation.	Huang, C; Xiao, X; Yang, Y; Mishra, A; Liang, Y; Zeng, X; Yang, X; Xu, D; Blackburn, MR; Henke, CA; Liu, L	2017
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28722352	Serpine 1 induces alveolar type II cell senescence through activating p53-p21-Rb pathway in fibrotic lung disease.	Jiang, C; Liu, G; Luckhardt, T; Antony, V; Zhou, Y; Carter, AB; Thannickal, VJ; Liu, RM	2017
28712048	Photobiomodulation therapy improves both inflammatory and fibrotic parameters in experimental model of lung fibrosis in mice.	Brochetti, RA; Leal, MP; Rodrigues, R; da Palma, RK; de Oliveira, LVF; Horliana, ACRT; Damazo, AS; de Oliveira, APL; Paula Vieira, R; Lino-Dos-Santos-Franco, A	2017
28701304	HIF1A up-regulates the ADORA2B receptor on alternatively activated macrophages and contributes to pulmonary fibrosis.	Philip, K; Mills, TW; Davies, J; Chen, NY; Karmouty-Quintana, H; Luo, F; Molina, JG; Amione-Guerra, J; Sinha, N; Guha, A; Eltzschig, HK; Blackburn, MR	2017
28694203	Soluble epoxide hydrolase inhibitor AUDA decreases bleomycin-induced pulmonary toxicity in mice by inhibiting the p38/Smad3 pathways.	Dong, XW; Jia, YL; Ge, LT; Jiang, B; Jiang, JX; Shen, J; Jin, YC; Guan, Y; Sun, Y; Xie, QM	2017
28687632	Increased levels of Gab1 and Gab2 adaptor proteins skew interleukin-4 (IL-4) signaling toward M2 macrophage-driven pulmonary fibrosis in mice.	Guo, X; Li, T; Xu, Y; Xu, X; Zhu, Z; Zhang, Y; Xu, J; Xu, K; Cheng, H; Zhang, X; Ke, Y	2017
28677092	Amelioration of bleomycin-induced pulmonary fibrosis by chlorogenic acid through endoplasmic reticulum stress inhibition.	Wang, YC; Dong, J; Nie, J; Zhu, JX; Wang, H; Chen, Q; Chen, JY; Xia, JM; Shuai, W	2017
28672974	Efficacies of rosiglitazone and retinoic acid on bleomycin-induced pulmonary fibrosis in rats.	Yu, W; Mi, L; Long, T	2017
28672967	Artesunate ameliorates lung fibrosis via inhibiting the Notch signaling pathway.	Liu, Y; Huang, G; Mo, B; Wang, C	2017
28662409	Human placental mesenchymal stem cells of fetal origins-alleviated inflammation and fibrosis by attenuating MyD88 signaling in bleomycin-induced pulmonary fibrosis mice.	Li, F; Han, F; Li, H; Zhang, J; Qiao, X; Shi, J; Yang, L; Dong, J; Luo, M; Wei, J; Liu, X	2017

28661183	Differential Expression of VEGF-Axxx Isoforms Is Critical for Development of Pulmonary Fibrosis.	Barratt, SL; Blythe, T; Jarrett, C; Ourradi, K; Shelley-Fraser, G; Day, MJ; Qiu, Y; Harper, S; Maher, TM; Oltean, S; Hames, TJ; Scotton, CJ; Welsh, GI; Bates, DO; Millar, AB	2017
28658529	AQX-1125, small molecule SHIP1 activator inhibits bleomycin-induced pulmonary fibrosis.	Cross, J; Stenton, GR; Harwig, C; Szabo, C; Genovese, T; Di Paola, R; Esposito, E; Cuzzocrea, S; Mackenzie, LF	2017
28657777	Epithelial Deletion of Sulf2 Exacerbates Bleomycin-Induced Lung Injury, Inflammation, and Mortality.	Yue, X	2017
28655914	IGF1R deficiency attenuates acute inflammatory response in a bleomycin-induced lung injury mouse model.	Piñeiro-Hermida, S; López, IP; Alfaro-Arnedo, E; Torrens, R; Iñiguez, M; Alvarez-Erviti, L; Ruiz-Martínez, C; Pichel, JG	2017
28642129	Fucoxanthin inhibits profibrotic protein expression in vitro and attenuates bleomycin-induced lung fibrosis in vivo.	Ma, SY; Park, WS; Lee, DS; Choi, G; Yim, MJ; Lee, JM; Jung, WK; Park, SG; Seo, SK; Park, SJ; Han, IY; Choi, YH; Choi, IW	2017
28619646	Time-dependent effects of HJP272, an endothelin receptor antagonist, in bleomycin-induced pulmonary fibrosis.	Liu, X; Khadtare, N; Patel, H; Stephani, R; Cantor, J	2017
28615638	Pharmacodynamic and pharmacokinetic assessment of pulmonary rehabilitation mixture for the treatment of pulmonary fibrosis.	Zhao, J; Ren, Y; Qu, Y; Jiang, W; Lv, C	2017
28613983	Azithromycin attenuates myofibroblast differentiation and lung fibrosis development through proteasomal degradation of NOX4.	Tsubouchi, K; Araya, J; Minagawa, S; Hara, H; Ichikawa, A; Saito, N; Kadota, T; Sato, N; Yoshida, M; Kurita, Y; Kobayashi, K; Ito, S; Fujita, Y; Utsumi, H; Yanagisawa, H; Hashimoto, M; Wakui, H; Yoshii, Y; Ishikawa, T; Numata, T; Kaneko, Y; Asano, H; Yamashita, M; Odaka, M; Morikawa, T; Nakayama, K; Nakanishi, Y; Kuwano, K	2017
28611390	Protective and therapeutic effect of felodipine against bleomycin-induced pulmonary fibrosis in mice.	Tanaka, KI; Niino, T; Ishihara, T; Takafuji, A; Takayama, T; Kanda, Y; Sugizaki, T; Tamura, F; Kurotsu, S; Kawahara, M; Mizushima, T	2017
28608724	Dexamethasone reduces serum level of IL-17 in Bleomycin-A5-induced rats model of pulmonary fibrosis.	Wang, A; Wang, F; Yin, Y; Zhang, M; Chen, P	2018
28598023	Nintedanib reduces ventilation-augmented bleomycin-induced epithelial-mesenchymal transition and lung fibrosis through suppression of the Src pathway.	Li, LF; Kao, KC; Liu, YY; Lin, CW; Chen, NH; Lee, CS; Wang, CW; Yang, CT	2017
28594406	Simvastatin treatment boosts benefits of apoptotic cell infusion in murine lung fibrosis.	Lee, YJ; Kim, MJ; Yoon, YS; Choi, YH; Kim, HS; Kang, JL	2017
28577568	Pirfenidone inhibits myofibroblast differentiation and lung fibrosis development during insufficient mitophagy.	Kurita, Y; Araya, J; Minagawa, S; Hara, H; Ichikawa, A; Saito, N; Kadota, T; Tsubouchi, K; Sato, N; Yoshida, M; Kobayashi, K; Ito, S;	2017

		Fujita, Y; Utsumi, H; Yanagisawa, H; Hashimoto, M; Wakui, H; Yoshii, Y; Ishikawa, T; Numata, T; Kaneko, Y; Asano, H; Yamashita, M; Odaka, M; Morikawa, T; Nakayama, K; Kuwano, K	
28573228	MOXIBUSTION HAS A POSITIVE EFFECT ON PULMONARY FIBROSIS: AN ALTERNATIVE APPROACH.	Cheng, L; Li, R; Zhou, M; Li, F; Chang, Q; Li, C; Lu, X	2017
28557137	Modulation of CD11c+ lung dendritic cells in respect to TGF- β in experimental pulmonary fibrosis.	Chakraborty, K; Chatterjee, S; Bhattacharyya, A	2017
28533545	Treatment effects of the traditional Chinese medicine Shenks in bleomycin-induced lung fibrosis through regulation of TGF-beta/Smad3 signaling and oxidative stress.	Chu, H; Shi, Y; Jiang, S; Zhong, Q; Zhao, Y; Liu, Q; Ma, Y; Shi, X; Ding, W; Zhou, X; Cui, J; Jin, L; Guo, G; Wang, J	2017
28506908	Effects of the fibroblast activation protein inhibitor, PT100, in a murine model of pulmonary fibrosis.	Egger, C; Cannet, C; Gérard, C; Suply, T; Ksiazek, I; Jarman, E; Beckmann, N	2017
28488693	ICOS protects against mortality from acute lung injury through activation of IL-5+ ILC2s.	Hrusch, CL; Manns, ST; Bryazka, D; Casaos, J; Bonham, CA; Jaffery, MR; Blaine, KM; Mills, KAM; Verhoef, PA; Adegunsoye, AO; Williams, JW; Tjota, MY; Moore, TV; Strek, ME; Noth, I; Sperling, AI	2018
28487960	Sulforaphane prevents bleomycin-induced pulmonary fibrosis in mice by inhibiting oxidative stress via nuclear factor erythroid 2-related factor-2 activation.	Yan, B; Ma, Z; Shi, S; Hu, Y; Ma, T; Rong, G; Yang, J	2017
28487375	Pulmonary fibrosis requires cell-autonomous mesenchymal fibroblast growth factor (FGF) signaling.	Guzy, RD; Li, L; Smith, C; Dorry, SJ; Koo, HY; Chen, L; Ornitz, DM	2017
28483669	Mechanisms of pulmonary fibrosis induced by core fucosylation in pericytes.	Sun, W; Tang, H; Gao, L; Sun, X; Liu, J; Wang, W; Wu, T; Lin, H	2017
28478401	JAK1-dependent transphosphorylation of JAK2 limits the antifibrotic effects of selective JAK2 inhibitors on long-term treatment.	Zhang, Y; Liang, R; Chen, CW; Mallano, T; Dees, C; Distler, A; Reich, A; Bergmann, C; Ramming, A; Gelse, K; Mielenz, D; Distler, O; Schett, G; Distler, JHW	2017
28476015	Synergistic protection of Schizandrin B and Glycyrrhizic acid against bleomycin-induced pulmonary fibrosis by inhibiting TGF- β 1/Smad2 pathways and overexpression of NOX4.	Zhang, D; Liu, B; Cao, B; Wei, F; Yu, X; Li, GF; Chen, H; Wei, LQ; Wang, PL	2017
28469786	MLN4924 protects against bleomycin-induced pulmonary fibrosis by inhibiting the early inflammatory process.	Deng, Q; Zhang, J; Gao, Y; She, X; Wang, Y; Wang, Y; Ge, X	2017
28467787	The histone deacetylase inhibitor, romidepsin, as a potential treatment for pulmonary fibrosis.	Conforti, F; Davies, ER; Calderwood, CJ; Thatcher, TH; Jones, MG; Smart, DE; Mahajan, S; Alzetani, A; Havelock, T; Maher, TM; Molyneaux, PL; Thorley, AJ; Tetley, TD; Warner, JA; Packham, G; Ganesan, A; Skipp, PJ; Marshall, BJ; Richeldi, L; Sime, PJ; O'Reilly, KMA; Davies, DE	2017

28466866	Posttreatment with Protectin DX ameliorates bleomycin-induced pulmonary fibrosis and lung dysfunction in mice.	Li, H; Hao, Y; Zhang, H; Ying, W; Li, D; Ge, Y; Ying, B; Cheng, B; Lian, Q; Jin, S	2017
28463231	Disruption of lineage specification in adult pulmonary mesenchymal progenitor cells promotes microvascular dysfunction.	Gaskill, CF; Carrier, EJ; Kropski, JA; Bloodworth, NC; Menon, S; Foronjy, RF; Taketo, MM; Hong, CC; Austin, ED; West, JD; Means, AL; Loyd, JE; Merryman, WD; Hemnes, AR; De Langhe, S; Blackwell, TS; Klemm, DJ; Majka, SM	2017
28456608	Chronic intermittent hypoxia worsens bleomycin-induced lung fibrosis in rats.	Braun, RK; Broymann, O; Braun, FM; Brinkman, JA; Clithero, A; Modi, D; Pegelow, DF; Eldridge, M; Teodorescu, M	2018
28455433	AKT2 Regulates Pulmonary Inflammation and Fibrosis via Modulating Macrophage Activation.	Nie, Y; Sun, L; Wu, Y; Yang, Y; Wang, J; He, H; Hu, Y; Chang, Y; Liang, Q; Zhu, J; Ye, RD; Christman, JW; Qian, F	2017
28450283	Surfactant replacement therapy reduces acute lung injury and collapse induration-related lung remodeling in the bleomycin model.	Steffen, L; Ruppert, C; Hoymann, HG; Funke, M; Ebener, S; Kloth, C; Mühlfeld, C; Ochs, M; Knudsen, L; Lopez-Rodriguez, E	2017
28446589	Antifibrotic effects of cyclosporine A on TGF- β 1-treated lung fibroblasts and lungs from bleomycin-treated mice: role of hypoxia-inducible factor-1 α .	Yamazaki, R; Kasuya, Y; Fujita, T; Umezawa, H; Yanagihara, M; Nakamura, H; Yoshino, I; Tatsumi, K; Murayama, T	2017
28434932	Combinatorial treatment of idiopathic pulmonary fibrosis using nanoparticles with prostaglandin E and siRNA(s).	Garbuzenko, OB; Ivanova, V; Kholodovych, V; Reimer, DC; Reuhl, KR; Yurkow, E; Adler, D; Minko, T	2017
28422760	Cannabinoid CB1 receptor overactivity contributes to the pathogenesis of idiopathic pulmonary fibrosis.	Cinar, R; Gochuico, BR; Iyer, MR; Jourdan, T; Yokoyama, T; Park, JK; Coffey, NJ; Pri-Chen, H; Szanda, G; Liu, Z; Mackie, K; Gahl, WA; Kunos, G	2017
28420366	Pirfenidone attenuates bleomycin-induced pulmonary fibrosis in mice by regulating Nrf2/Bach1 equilibrium.	Liu, Y; Lu, F; Kang, L; Wang, Z; Wang, Y	2017
28417017	Galectin-1 inhibition attenuates profibrotic signaling in hypoxia-induced pulmonary fibrosis.	Kathiriya, JJ; Nakra, N; Nixon, J; Patel, PS; Vaghasiya, V; Alhassani, A; Tian, Z; Allen-Gipson, D; Davé, V	2017
28415591	The purinergic receptor subtype P2Y2 mediates chemotaxis of neutrophils and fibroblasts in fibrotic lung disease.	Müller, T; Fay, S; Vieira, RP; Karmouty-Quintana, H; Cicko, S; Ayata, K; Zissel, G; Goldmann, T; Lungarella, G; Ferrari, D; Di Virgilio, F; Robaye, B; Boeynaems, JM; Blackburn, MR; Idzko, M	2017
28412654	Nigella sativa, a traditional Tunisian herbal medicine, attenuates bleomycin-induced pulmonary fibrosis in a rat model.	Abidi, A; Robbe, A; Kourda, N; Ben Khamsa, S; Legrand, A	2017
28408888	Prevention of Bleomycin-Induced Pulmonary Inflammation and Fibrosis in Mice by Paeonol.	Liu, MH; Lin, AH; Ko, HK; Perng, DW; Lee, TS; Kou, YR	2017
28389259	Autophagy induction by celastrol augments protection against bleomycin-induced	Divya, T; Sureshkumar, A; Sudhandiran, G	2017

	experimental pulmonary fibrosis in rats: Role of adaptor protein p62/ SQSTM1.		
28386328	Kallistatin protects against bleomycin-induced idiopathic pulmonary fibrosis by inhibiting angiogenesis and inflammation.	Huang, X; Wang, X; Xie, X; Zeng, S; Li, Z; Xu, X; Yang, H; Qiu, F; Lin, J; Diao, Y	2017
28385811	Modified mesenchymal stem cells using miRNA transduction alter lung injury in a bleomycin model.	Huleihel, L; Sellares, J; Cardenes, N; Álvarez, D; Faner, R; Sakamoto, K; Yu, G; Kapetanaki, MG; Kaminski, N; Rojas, M	2017
28365359	Leflunomide prevents ROS-induced systemic fibrosis in mice.	Morin, F; Kavian, N; Chouzenoux, S; Cerles, O; Nicco, C; Chéreau, C; Batteux, F	2017
28365154	Activation and overexpression of Sirt1 attenuates lung fibrosis via P300.	Zeng, Z; Cheng, S; Chen, H; Li, Q; Hu, Y; Wang, Q; Zhu, X; Wang, J	2017
28364627	Protective role of rhapontin in experimental pulmonary fibrosis in vitro and in vivo.	Tao, L; Cao, J; Wei, W; Xie, H; Zhang, M; Zhang, C	2017
28357073	Effect of bosentan is correlated with MMP-9/TIMP-1 ratio in bleomycin-induced pulmonary fibrosis.	Zuo, WL; Zhao, JM; Huang, JX; Zhou, W; Lei, ZH; Huang, YM; Huang, YF; Li, HG	2017
28353632	Attenuation of Bleomycin-Induced Pulmonary Fibrosis in Rats with S-Allyl Cysteine.	Tsukioka, T; Takemura, S; Minamiyama, Y; Mizuguchi, S; Toda, M; Okada, S	2017
28325283	Silencing of Carbohydrate Sulfotransferase 15 Hinders Murine Pulmonary Fibrosis Development.	Kai, Y; Tomoda, K; Yoneyama, H; Kitabatake, M; Nakamura, A; Ito, T; Yoshikawa, M; Kimura, H	2017
28323056	FTY720 promotes pulmonary fibrosis when administered during the remodelling phase following a bleomycin-induced lung injury.	Gendron, DR; Lemay, AM; Lecours, PB; Perreault-Vallières, V; Huppé, CA; Bossé, Y; Blanchet, MR; Dion, G; Marsolais, D	2017
28320097	Asiatic acid ameliorates pulmonary fibrosis induced by bleomycin (BLM) via suppressing pro-fibrotic and inflammatory signaling pathways.	Dong, SH; Liu, YW; Wei, F; Tan, HZ; Han, ZD	2017
28304344	Nrf2 Regulates the Risk of a Diesel Exhaust Inhalation-Induced Immune Response during Bleomycin Lung Injury and Fibrosis in Mice.	Li, YJ; Shimizu, T; Shinkai, Y; Hirata, Y; Inagaki, H; Takeda, K; Azuma, A; Yamamoto, M; Kawada, T	2017
28300665	Grape seed extract ameliorates bleomycin-induced mouse pulmonary fibrosis.	Liu, Q; Jiang, JX; Liu, YN; Ge, LT; Guan, Y; Zhao, W; Jia, YL; Dong, XW; Sun, Y; Xie, QM	2017
28297588	Oncostatin M-Preconditioned Mesenchymal Stem Cells Alleviate Bleomycin-Induced Pulmonary Fibrosis Through Paracrine Effects of the Hepatocyte Growth Factor.	Lan, YW; Theng, SM; Huang, TT; Choo, KB; Chen, CM; Kuo, HP; Chong, KY	2017
28292882	Cthrc1 lowers pulmonary collagen associated with bleomycin-induced fibrosis and protects lung function.	Binks, AP; Beyer, M; Miller, R; LeClair, RJ	2017
28287322	Protective Effect of Pistacia lentiscus Oil Against Bleomycin-Induced Lung Fibrosis and Oxidative Stress in Rat.	Abidi, A; Aissani, N; Sebai, H; Serairi, R; Kourda, N; Ben Khamsa, S	2017
28284148	Effect-enhancing and toxicity-reducing activity of usnic acid in ascitic tumor-bearing mice treated with bleomycin.	Su, ZQ; Liu, YH; Guo, HZ; Sun, CY; Xie, JH; Li, YC; Chen, JN; Lai, XP; Su, ZR; Chen, HM	2017
28283856	Effects of nintedanib on the microvascular architecture in a lung fibrosis model.	Ackermann, M; Kim, YO; Wagner, WL; Schuppan, D; Valenzuela, CD;	2017

		Mentzer, SJ; Kreuz, S; Stiller, D; Wollin, L; Konerding, MA	
28283678	Deficiency of $\alpha 7$ nicotinic acetylcholine receptor attenuates bleomycin-induced lung fibrosis in mice.	Sun, P; Li, L; Zhao, C; Pan, M; Qian, Z; Su, X	2017
28283478	Annexin A2 contributes to lung injury and fibrosis by augmenting factor Xa fibrogenic activity.	Schuliga, M; Jaffar, J; Berhan, A; Langenbach, S; Harris, T; Waters, D; Lee, PVS; Grainge, C; Westall, G; Knight, D; Stewart, AG	2017
28283477	Lung epithelial cell focal adhesion kinase signaling inhibits lung injury and fibrosis.	Wheaton, AK; Agarwal, M; Jia, S; Kim, KK	2017
28280123	Mogroside IIIIE, a Novel Anti-Fibrotic Compound, Reduces Pulmonary Fibrosis through Toll-Like Receptor 4 Pathways.	Tao, L; Yang, J; Cao, F; Xie, H; Zhang, M; Gong, Y; Zhang, C	2017
28273432	p53 and miR-34a Feedback Promotes Lung Epithelial Injury and Pulmonary Fibrosis.	Shetty, SK; Tiwari, N; Marudamuthu, AS; Puthusseri, B; Bhandary, YP; Fu, J; Levin, J; Idell, S; Shetty, S	2017
28245556	Supercritical-Carbon Dioxide Fluid Extract from Chrysanthemum indicum Enhances Anti-Tumor Effect and Reduces Toxicity of Bleomycin in Tumor-Bearing Mice.	Yang, HM; Sun, CY; Liang, JL; Xu, LQ; Zhang, ZB; Luo, DD; Chen, HB; Huang, YZ; Wang, Q; Lee, DY; Yuan, J; Li, YC	2017
28230051	Cellular senescence mediates fibrotic pulmonary disease.	Schafer, MJ; White, TA; Iijima, K; Haak, AJ; Ligresti, G; Atkinson, EJ; Oberg, AL; Birch, J; Salmonowicz, H; Zhu, Y; Mazula, DL; Brooks, RW; Fuhrmann-Stroissnigg, H; Pirtskhalava, T; Prakash, YS; Tchkonja, T; Robbins, PD; Aubry, MC; Passos, JF; Kirkland, JL; Tschumperlin, DJ; Kita, H; LeBrasseur, NK	2017
28150703	Dimethyl Fumarate ameliorates pulmonary arterial hypertension and lung fibrosis by targeting multiple pathways.	Grzegorzewska, AP; Seta, F; Han, R; Czajka, CA; Makino, K; Stawski, L; Isenberg, JS; Browning, JL; Trojanowska, M	2017
28034695	Aberrant lung remodeling in a mouse model of surfactant dysregulation induced by modulation of the Abca3 gene.	Beers, MF; Knudsen, L; Tomer, Y; Maronn, J; Zhao, M; Ochs, M; Mulugeta, S	2017
28002407	Identification of an atypical monocyte and committed progenitor involved in fibrosis.	Satoh, T; Nakagawa, K; Sugihara, F; Kuwahara, R; Ashihara, M; Yamane, F; Minowa, Y; Fukushima, K; Ebina, I; Yoshioka, Y; Kumanogoh, A; Akira, S	2017
27979858	miR-34a promotes fibrosis in aged lungs by inducing alveolarepithelial dysfunctions.	Cui, H; Ge, J; Xie, N; Banerjee, S; Zhou, Y; Liu, RM; Thannickal, VJ; Liu, G	2017
27932059	Classical transient receptor potential 6 (TRPC6) channels support myofibroblast differentiation and development of experimental pulmonary fibrosis.	Hofmann, K; Fiedler, S; Vierkotten, S; Weber, J; Klee, S; Jia, J; Zwickenpflug, W; Flockerzi, V; Storch, U; Yildirim, AÖ; Gudermann, T; Königshoff, M; Dietrich, A	2017
27793816	The transcription factor GLI2 as a downstream mediator of transforming growth factor- β -induced fibroblast activation in SSc.	Liang, R; Šumová, B; Cordazzo, C; Mallano, T; Zhang, Y; Wohlfahrt, T; Dees, C; Ramming, A; Krasowska, D; Michalska-Jakubus, M; Distler, O; Schett, G; Šenolt, L; Distler, JH	2017

Supplemental Table S2: All Clinical Trials

NCT Number	Title	Acronym	Interventions	Phases	Bleo results
NCT02612051	First Time in Human (FTIH) Study of GSK3008348 in Healthy Volunteers and Idiopathic Pulmonary Fibrosis Patients	null	[18F]-FBA-A20FMDV2	Phase 1	Not Published
NCT03069989	Single Doses of GSK3008348 in Idiopathic Pulmonary Fibrosis (IPF) Participants Using Positron Emission Tomography (PET) Imaging	null	[18F]-FBA-A20FMDV2	Phase 1	Not Published
NCT00563212	A Pilot Study of Aerosol Interferon-gamma for Treatment of Idiopathic Pulmonary Fibrosis	null	aerosol interferon-gamma	Phase 1	Not Published
NCT00768300	(ARTEMIS-IPF) Randomized, Placebo-Controlled Study to Evaluate Safety and Effectiveness of Ambrisentan in IPF	ARTEMIS-IPF	Ambrisentan	Phase 3	Not Published
NCT02739165	Clinical Study of ART-123 for the Treatment of Acute Exacerbation of Idiopathic Pulmonary Fibrosis	null	ART-123	Phase 3	Preventative
NCT01919827	Study of Autologous Mesenchymal Stem Cells to Treat Idiopathic Pulmonary Fibrosis	CMM/FPI	Autologous mesenchymal stem cells derived from bone marrow	Phase 1	Not Published
NCT00052039	A Randomized, Double-Blind, Three-Arm, Phase 3b Study Comparing the Safety and Efficacy of Interferon Gamma-1b With Azathioprine, and Azathioprine Alone in Patients With IPF Receiving Prednisone	null	azathioprine	Phase 3	Not Published
NCT00262405	Zileuton for the Treatment of Idiopathic Pulmonary Fibrosis	null	azathioprine	Phase 2	Not Published
NCT01766817	Safety and Efficacy of a Lysophosphatidic Acid Receptor Antagonist in Idiopathic Pulmonary Fibrosis	null	BMS-986020	Phase 2	Not Published
NCT00071461	Efficacy and Safety of Oral Bosentan in Patients With Idiopathic Pulmonary Fibrosis	BUILD 1	Bosentan	Phase 2 Phase 3	Both
NCT00631475	Open Label Extension Study in Patients With Idiopathic Pulmonary Fibrosis Who Completed Protocol AC-052-321/ BUILD 3 / NCT00391443	BUILD OL	Bosentan	Phase 3	Both
NCT00391443	BUILD 3: Bosentan Use in Interstitial Lung Disease	BUILD 3	Bosentan	Phase 3	Both
NCT00070590	Efficacy and Safety of Oral Bosentan in Pulmonary Fibrosis Associated With Scleroderma	null	Bosentan	Phase 2 Phase 3	Both
NCT01214187	Study of Inhaled Carbon Monoxide to Treat Idiopathic Pulmonary Fibrosis	null	Carbon Monoxide	Phase 2	Both

NCT03142191	A Study to Evaluate the Efficacy and Safety of CC-90001 in Subjects With Idiopathic Pulmonary Fibrosis	null	CC-90001	Phase 2	Not Published
NCT01203943	A Study to Characterize the Safety, PK and Biological Activity of CC-930 in Idiopathic Pulmonary Fibrosis (IPF)	null	CC-930	Phase 2	Not Published
NCT00786201	A Study to Evaluate the Safety and Effectiveness of CNTO 888 Administered Intravenously (IV) in Participants With Idiopathic Pulmonary Fibrosis (IPF)	null	CNTO 888	Phase 2	Not Published
NCT01266317	Combined PEX, Rituximab and Steroids in Acute IPF Exacerbations	null	Combined Plasma Exchange (PEX), Rituximab, and Corticosteroids	Phase 1 Phase 2	Not Published
NCT02135380	Evaluate Safety and Efficacy of Intravenous Autologous ADMSc for Treatment of Idiopathic Pulmonary Fibrosis	null	Adipose-derived mesenchymal stem cells	Phase 1 Phase 2	Preventative
NCT01777737	Study to Test the Validity of the Treatment of Idiopathic Pulmonary Fibrosis With Cotrimoxazole	TriSulfa-FPI	Cotrimoxazole	Phase 3	Not Published
NCT02874989	Targeting Pro-Inflammatory Cells in Idiopathic Pulmonary Fibrosis: a Human Trial	IPF	Dasatinib, Quercetin	Phase 1	Both
NCT00063869	Study Evaluating the Safety and Efficacy of Etanercept in Patients With Idiopathic Pulmonary Fibrosis	null	Etanercept	Phase 2	Not Published
NCT03018756	Nebulized Fentanyl in Patients With Mild to Moderate Idiopathic Pulmonary Fibrosis and Chronic Dyspnea	null	Fentanyl	Phase 3	Not Published
NCT01890265	Evaluate the Safety and Efficacy of FG-3019 in Patients With Idiopathic Pulmonary Fibrosis	null	FG-3019	Phase 2	Preventative
NCT00074698	Safety and Tolerability Study of FG-3019 in Patients With Idiopathic Pulmonary Fibrosis	null	FG-3019	Phase 1	Preventative
NCT01262001	Safety, Tolerability, and Efficacy Study of Idiopathic Pulmonary Fibrosis	FGCL-3019-049	FG-3019	Phase 2	Preventative
NCT01529853	To Evaluate the Effect of Different Doses of SAR156597 Given to Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	SAR156597	Phase 1 Phase 2	Not Published
NCT02048644	Effect of Fostair® on Biomarkers of Platelet Adhesion in Idiopathic Pulmonary Fibrosis	null	Fostair	Phase 2	Not Published
NCT02989168	Study to Evaluate the Effect of GBT440 Administered to Subjects With IPF on Supplemental Oxygen at Rest	Zephyr	GBT440	Phase 2	Not Published

NCT02846324	Study to Evaluate the Safety and Tolerability of GBT440 Administered to Subjects With IPF	null	GBT440	Phase 2	Not Published
NCT00125385	Study of GC1008 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	GC1008	Phase 1	Not Published
NCT02477709	A Study to Assess the Tolerability of a Single Dose of Gefapixant (AF-219/MK-7264) in Subjects With Idiopathic Pulmonary Fibrosis (IPF)	null	Gefapixant	Phase 2	Not Published
NCT02502097	A Study of Gefapixant (AF-219/MK-7264) in Subjects With Idiopathic Pulmonary Fibrosis (IPF) With Persistent Cough (MK-7264-016)	null	Gefapixant	Phase 2	Not Published
NCT02738801	Study to Assess Safety, Tolerability, Pharmacokinetic and Pharmacodynamic Properties of GLPG1690	null	GLPG1690	Phase 2	Not Published
NCT01362231	A Study to Evaluate the Safety and Efficacy of GS-6624 (Formerly AB0024) in Patients With Idiopathic Pulmonary Fibrosis	null	GS-6624	Phase 1	Not Published
NCT01769196	Study to Assess the Efficacy and Safety of Simtuzumab (GS-6624) in Adults With Idiopathic Pulmonary Fibrosis (IPF)	RAINIER	GS-6624	Phase 2	Not Published
NCT01725139	A Proof of Mechanism Study With GSK2126458 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	GSK2126458	Phase 1	Not Published
NCT03092102	The Safety, Tolerability and Pharmacokinetic Study of HEC585 in Healthy Male and Female Subjects	null	HEC585	Phase 1	Not Published
NCT02871401	A Pilot Trial of Herpesvirus Treatment in Idiopathic Pulmonary Fibrosis (IPF)	null	Herpesvirus	Phase 1	Not Published
NCT02013700	Allogeneic Human Cells (hMSC)in Patients With Idiopathic Pulmonary Fibrosis Via Intravenous Delivery (AETHER)	AETHER	hMSC	Phase 1	Both
NCT02594839	Safety and Efficacy of Allogeneic Mesenchymal Stem Cells in Patients With Rapidly Progressive Interstitial Lung Disease	null	hMSC	Phase 1 Phase 2	Both
NCT00690885	Interferon-alpha Treatment of Chronic Cough in Chronic Obstructive Pulmonary Disease and Idiopathic Pulmonary Fibrosis	null	IFN-a	Phase 2	Not Published
NCT00109681	Inhaled Iloprost in Adults With Abnormal Pulmonary Pressure and Associated With Idiopathic Pulmonary Fibrosis	null	Iloprost (Ventavis)	Phase 2	Both

NCT00131274	Gleevec Idiopathic Pulmonary Fibrosis (IPF) Study	null	Imatinib Mesylate (Gleevec)	Phase 2 Phase 3	Both
NCT01265888	Study in Subjects With PAH and PH Secondary to IPF Using Inhaled GeNOSyl.	PHiano	Inhaled Nitric Oxide	Phase 2	Not Published
NCT02267655	3 Part Study to Assess Inhaled Nitric Oxide on Functional Pulmonary Imaging in Subj. Pulmonary Hypertension Associated w/ COPD and IPF	null	inhaled nitric oxide 75 mcg/kg IBW/hr	Phase 1	Not Published
NCT01442779	Clinical Trial of Low Dose Oral Interferon Alpha in Idiopathic Pulmonary Fibrosis	null	Interferon alpha oral lozenge	Phase 2	Not Published
NCT00076635	An Open-Label Study of the Safety of Interferon Gamma-1b in Patients With IPF	null	Interferon-gamma 1b	Phase 3	Not Published
NCT00075998	The INSPIRE Trial: A Study of Interferon Gamma-1b for Idiopathic Pulmonary Fibrosis (IPF)	null	Interferon-gamma 1b	Phase 3	Not Published
NCT00047645	A Study of the Safety and Efficacy Interferon-Gamma 1b in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	Interferon-gamma 1b	Phase 3	Not Published
NCT00047658	A Study of the Safety and Clinical Effects of Interferon Gamma-1b in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	Interferon-gamma 1b	Phase 2	Not Published
NCT00052052	An Open-Label Study of the Safety and Efficacy of Subcutaneous Recombinant Interferon-Gamma 1b (IFN-Gamma 1b) in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	interferon-gamma 1b	Phase 2	Not Published
NCT01199887	Trial Of IW001 in Patients With Idiopathic Pulmonary Fibrosis	null	IW001	Phase 1	Not Published
NCT02688647	A Study to Evaluate the Safety, Tolerability, and Activity of KD025 in Subjects With Idiopathic Pulmonary Fibrosis	null	KD025	Phase 2	Not Published
NCT01872689	A Study of Lebrikizumab in Participants With Idiopathic Pulmonary Fibrosis (IPF)	null	Lebrikizumab	Phase 2	Not Published
NCT02745184	Clinical Efficacy and Safety of Autologous Lung Stem Cell Transplantation in Patients With Idiopathic Pulmonary Fibrosis	null	Lung stem cells	Phase 1 Phase 2	Both
NCT00903331	Macitentan Use in an Idiopathic Pulmonary Fibrosis Clinical Study	MUSIC	Macitentan	Phase 2	Not Published
NCT01346930	Safety and Tolerability Study of Macitentan in Patients With Idiopathic Pulmonary Fibrosis	MUSIC OL	Macitentan	Phase 2	Not Published
NCT00203697	Minocycline Therapy for Lung Scarring in Patients With Idiopathic Pulmonary Fibrosis - a Pilot Study	null	minocycline	Phase 3	Not Published

NCT02503657	Safety and Tolerability Study in Subjects With Idiopathic Pulmonary Fibrosis (IPF)	null	MN-001	Phase 2	Not Published
NCT01619085	Extension Trial of the Long Term Safety of BIBF 1120 in Patients With Idiopathic Pulmonary Fibrosis	null	Nintedanib	Phase 3	Both
NCT01136174	Safety and PK Study of BIBF 1120 in Japanese Patients With IPF	null	Nintedanib	Phase 2	Both
NCT01979952	Nintedanib Twice Daily vs Placebo in Patients Diagnosed With Idiopathic Pulmonary Fibrosis (IPF)	null	Nintedanib	Phase 3	Both
NCT01170065	Roll Over Study From 1199.30 BIBF 1120 in Idiopathic Pulmonary Fibrosis (IPF)	null	Nintedanib	Phase 2	Both
NCT01335464	Safety and Efficacy of BIBF 1120 at High Dose in Idiopathic Pulmonary Fibrosis Patients	null	Nintedanib	Phase 3	Both
NCT01335477	Safety and Efficacy of BIBF 1120 at High Dose in Idiopathic Pulmonary Fibrosis Patients II	null	Nintedanib	Phase 3	Both
NCT00514683	Safety And Efficacy of BIBF 1120 in Idiopathic Pulmonary Fibrosis	null	Nintedanib	Phase 2	Both
NCT01417156	Safety and PK Study of BIBF 1120 in Japanese Patients With IPF: Follow up Study From 1199.31(NCT01136174)	null	Nintedanib	Phase 2	Both
NCT00463983	Treatment of Idiopathic Pulmonary Fibrosis With Long Acting Octreotide	FIBROSAND	octreotide	Phase 1 Phase 2	Both
NCT02085018	Pilot Trial Of Omeprazole in Idiopathic Pulmonary Fibrosis (IPF)	PPIPF	Omeprazole	Phase 2	Not Published
NCT00639496	Study of the Effects of High-dose N-acetylcysteine (NAC) in Idiopathic Pulmonary Fibrosis (IPF)	IFIGENIA	High-dose N-acetylcysteine	Phase 3	Preventative
NCT02538536	A Phase 2 Study to Evaluate the Safety and Tolerability of PBI-4050 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	PBI4050	Phase 2	Not Published
NCT03208933	Open-label Study to Assess the Effectiveness of Pirfenidone in Participants With Idiopathic Pulmonary Fibrosis (IPF).	null	Pirfenidone	Phase 3	Both
NCT00662038	Open-Label Study of the Long Term Safety of Pirfenidone in Patients With Idiopathic Pulmonary Fibrosis (IPF)	PIPF-012	Pirfenidone	Phase 3	Both
NCT00287729	Safety and Efficacy of Pirfenidone in Patients With Idiopathic Pulmonary Fibrosis	null	Pirfenidone	Phase 3	Both
NCT00287716	Three-Arm Study of the Safety and Efficacy of Pirfenidone in	null	Pirfenidone	Phase 3	Both

	Patients With Idiopathic Pulmonary Fibrosis				
NCT01504334	Safety and Efficacy Study of Pirfenidone to Treat Idiopathic Pulmonary Fibrosis(IPF)	null	Pirfenidone	Phase 2	Both
NCT01366209	Efficacy and Safety of Pirfenidone in Patients With Idiopathic Pulmonary Fibrosis (IPF)	ASCEND	Pirfenidone	Phase 3	Both
NCT02136992	Clinical Efficacy and Safety of Pirfenidone in Patients With Idiopathic Pulmonary Fibrosis	IPF	Pirfenidone	Phase 2	Both
NCT02707640	A Study to Assess the Safety and Tolerability of N-Acetylcysteine When Administered With Pirfenidone to Participants With Idiopathic Pulmonary Fibrosis (IPF)	null	Pirfenidone	Phase 2	Both
NCT00080223	Safety Study of Oral Pirfenidone in Patients With Pulmonary Fibrosis/Idiopathic Pulmonary Fibrosis	null	Pirfenidone	Phase 2	Both
NCT01385644	A Study to Evaluate the Potential Role of Mesenchymal Stem Cells in the Treatment of Idiopathic Pulmonary Fibrosis	MSC in IPF	Placental MSC	Phase 1	Both
NCT01135199	Pomalidomide for Cough in Patients With Idiopathic Pulmonary Fibrosis	null	pomalidomide (CC-4047)	Phase 2	Not Published
NCT02460588	Cyclophosphamide for Acute Exacerbation of Idiopathic Pulmonary Fibrosis	EXAFIP	prednisolone	Phase 3	Preventative
NCT00650091	Evaluating the Effectiveness of Prednisone, Azathioprine, and N-acetylcysteine in Patients With IPF	PANTHER-IPF	Prednisone, Azathioprine, NAC	Phase 3	Not Published
NCT02550873	A Trial to Evaluate the Efficacy of PRM-151 in Subjects With Idiopathic Pulmonary Fibrosis (IPF)	null	PRM-151	Phase 2	Not Published
NCT01254409	A Phase 1b Study of IV PRM151 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	PRM151F-12GL	PRM-151	Phase 1	Not Published
NCT00532233	SD, IL-13 Production Rate in IPF	null	QAX576	Phase 2	Not Published
NCT01266135	Safety and Efficacy of QAX576 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	QAX576	Phase 2	Not Published
NCT01969409	Autoantibody Reduction Therapy in Patients With Idiopathic Pulmonary Fibrosis	ART-IPF	Rituximab	Phase 2	Not Published
NCT01524068	A MultiCenter Study of Combined PEX, Rituximab, and Steroids in Acute Idiopathic Pulmonary Fibrosis Exacerbations	null	Rituximab, Steroids, PEX	Phase 2	Not Published
NCT02584816	Phase III Study on Rotavirus Vaccine to Evaluate Lot-to-lot Consistency and Interference	null	ROTARIX + DPT-HepB-Hib + OPV	Phase 3	Not Published

	With Routine UIP Immunization				
NCT01457261	IPF Drug Deposition Study	TOPICAL-IPF	Salbutamol	Phase 1	Not Published
NCT02345070	Efficacy and Safety of SAR156597 in the Treatment of Idiopathic Pulmonary Fibrosis	ESTAIR	SAR156597	Phase 2	Not Published
NCT02802345	Efficacy and Safety of Nintedanib When Co-administered With Sildenafil in Idiopathic Pulmonary Fibrosis Patients With Advanced Lung Function Impairment	null	Sildenafil	Phase 3	Both
NCT02951429	Efficacy, Safety, and Tolerability Study of Pirfenidone in Combination With Sildenafil in Participants With Advanced Idiopathic Pulmonary Fibrosis (IPF) and Intermediate or High Probability of Group 3 Pulmonary Hypertension	null	Sildenafil	Phase 2	Both
NCT00517933	Sildenafil Trial of Exercise Performance in Idiopathic Pulmonary Fibrosis	STEP-IPF	Sildenafil	Phase 3	Both
NCT00359736	Sildenafil Study to Treat Idiopathic Pulmonary Fibrosis	null	sildenafil	Phase 2	Both
NCT00352482	Sildenafil to Increase Exercise Capacity in Individuals With Idiopathic Pulmonary Fibrosis and Pulmonary Hypertension	null	sildenafil	Phase 2	Both
NCT00981747	Targeting Vascular Reactivity in Idiopathic Pulmonary Fibrosis	null	Sildenafil, Losarten	Phase 2 Phase 3	Not Published
NCT01759511	Long-Term Safety Study of GS-6624 in Adults With Idiopathic Pulmonary Fibrosis (IPF)	ATLAS	Simtuzumab	Phase 2	Not Published
NCT01371305	STX-100 in Patients With Idiopathic Pulmonary Fibrosis (IPF)	null	STX-100	Phase 2	Not Published
NCT02257177	RCT (Randomized Control Trial) of TD139 vs Placebo in HV's (Human Volunteers) and IPF Patients	null	TD139	Phase 1 Phase 2	Therapeutic
NCT00189176	Safety Study of Tetrathiomolybdate in Patients With Idiopathic Pulmonary Fibrosis	null	Tetrathiomolybdate	Phase 1 Phase 2	Not Published
NCT00162760	Treatment of Idiopathic Pulmonary Fibrosis With Thalidomide	null	Thalidomide	Phase 2	Both
NCT00600028	Treatment of Chronic Cough in Idiopathic Pulmonary Fibrosis With Thalidomide	null	Thalidomide	Phase 3	Both
NCT01629667	A Phase 2, Randomized Dose-ranging Study to Evaluate the Efficacy of Tralokinumab in Adults With Idiopathic Pulmonary Fibrosis	null	Tralokinumab	Phase 2	Not Published

NCT02036580	D2212C00002 J-Phase II Study	null	Tralokinumab	Phase 2	Not Published
NCT00705133	Treprostinil Therapy For Patients With Interstitial Lung Disease And Severe Pulmonary Arterial Hypertension	null	treprostinil	Phase 3	Therapeutic
NCT00703339	Effects of Inhaled Treprostinil Sodium for the Treatment of Pulmonary Hypertension Associated With Idiopathic Pulmonary Fibrosis	null	treprostinil	Phase 2	Therapeutic
NCT03287414	Study of Pharmacodynamics, Pharmacokinetics, Safety and Tolerability of VAY736 in Patients With Idiopathic Pulmonary Fibrosis	null	VAY736	Phase 2	Not Published
NCT02648048	A Study of Oral Vismodegib in Combination With Pirfenidone in Participants With Idiopathic Pulmonary Fibrosis	ISLAND2	Vismodegib	Phase 1	Therapeutic
NCT02168530	A Study of Oral Vismodegib for the Treatment of Idiopathic Pulmonary Fibrosis (IPF)	null	vismodegib	Phase 2	Therapeutic
NCT00957242	AntiCoagulant Effectiveness in Idiopathic Pulmonary Fibrosis	ACE-IPF	Warfarin	Phase 3	Not Published
NCT02397005	Study of the Tolerability and Pharmacokinetic of ZL-2102 With an Investigation of Food Effect in Healthy Male Subjects	null	ZL-2102	Phase 1	Not Published
NCT00000596	Diffuse Fibrotic Lung Disease	0	Cyclophosphamide; Dapsone	Phase 2	Not Published
NCT00439543	Trial of Iloprost in Pulmonary Hypertension Secondary to Pulmonary Fibrosis	0	Iloprost	Phase 2 Phase 3	Both
NCT00879229	ARTEMIS-PH - Study of Ambrisentan in Subjects With Pulmonary Hypertension Associated With Idiopathic Pulmonary Fibrosis	ARTEMIS-PH	Ambrisentan	Phase 3	Not Published
NCT00896155	Trial of Concurrent Versus Sequential Tamoxifen With Radiotherapy in Breast Cancer Patients	CONSET	Tamoxifen	Phase 3	Therapeutic
NCT01862926	Rituximab Versus Cyclophosphamide in Connective Tissue Disease-ILD	RECITAL	Rituximab; Cyclophosphamide	Phase 2 Phase 3	Not Published
NCT01917877	Efficiency Study for Acute Radiation-induced and Chemotherapy-induced Pulmonary Fibrosis With Bevasizumab	0	Bevacizumab; Dexamethasone	Phase 2	Not Published
NCT02510937	Safety and PK Study of CC-90001 in Subjects With Pulmonary Fibrosis	0	CC-90001	Phase 1	Not Published
NCT02603068	Oral Treprostinil in Subjects With Pulmonary Hypertension Associated With Pulmonary Fibrosis	0	Treprostinil	Phase 2	Therapeutic

NCT02630316	Safety and Efficacy of Inhaled Treprostinil in Adult PH With ILD Including CPFE	0	Treprostinil	Phase 2 Phase 3	Therapeutic
NCT02633293	An Open Label Extension Study to Evaluate Inhaled Treprostinil in Adult PH With ILD Including CPFE	0	Treprostinil	Phase 2 Phase 3	Therapeutic
NCT02990286	Evaluation of Efficacy and Safety of Rituximab With Mycophenolate Mofetil in Patients With Interstitial Lung Diseases	EvER-ILD	Rituximab; Mycophenolate Mofetil	Phase 3	Not Published
NCT03727451	A Dose Escalation Study to Assess the Safety and Efficacy of Pulsed Inhaled Nitric Oxide in Subjects With Pulmonary Fibrosis or Sarcoidosis	0	iNO	Phase 2	Not Published
NCT03267108	A Dose Escalation Study to Assess the Safety and Efficacy of Pulsed iNO in Subjects With Pulmonary Fibrosis	0	iNO	Phase 2	Not Published
NCT03385668	Pilot Study of Pirfenidone in Pulmonary Fibrosis With Anti-myeloperoxidase Antibodies	PIRFENIVAS	Pirfenidone	Phase 2	Both
NCT03422068	This Study Tests Different Doses of BI 1015550 in Patients With Idiopathic Pulmonary Fibrosis (IPF). The Study Tests How BI 1015550 is Taken up by the Body and How Well it is Tolerated.	0	BI 1015550	Phase 1	Not Published
NCT03502902	The Safety, Tolerability and Pharmacokinetic Study of HEC68498 in Healthy Male and Female Subjects	0	HEC 68498	Phase 1	Not Published
NCT03538301	A Phase 2 Study to Evaluate the Safety, Biological Activity, and PK of ND-L02-s0201 in Subjects With IPF	0	ND-L02-s0201	Phase 2	Not Published
NCT03559166	First in Human Study in Healthy Volunteers Followed With Dosing in Participants With Lung or Liver Fibrosis	0	BLD-2660	Phase 1	Not Published
NCT03573505	An Efficacy and Safety Study of BG00011 in Participants With Idiopathic Pulmonary Fibrosis (SPIRIT)	SPIRIT	BG00011	Phase 2	Not Published
NCT03591926	A Study Evaluating the Safety, Pharmacokinetics, Pharmacodynamics, and Efficacy of SM04646 Inhalation Solution in Subjects With Idiopathic Pulmonary Fibrosis (IPF)	0	SM04646	Phase 2	Not Published
NCT03619616	Study to Evaluate the Safety, Tolerability and Pharmacokinetics of Single Ascending Dose of ZSP1603 in Healthy Adults	0	ZSP1603	Phase 1	Not Published
NCT03650075	To Determine Safety and Tolerability of MG-S-2525 and	0	MG-S-2525	Phase 1	Not Published

	to Evaluate Its PK Profile in Healthy Volunteers				
NCT03733444	A Clinical Study to Test How Effective and Safe GLPG1690 is for Subjects With Idiopathic Pulmonary Fibrosis (IPF) When Used Together With Standard Medical Treatment	ISABELA2	GLPG1690	Phase 3	Not Published
NCT03711162	A Clinical Study to Test How Effective and Safe GLPG1690 is for Subjects With Idiopathic Pulmonary Fibrosis (IPF) When Used Together With Standard Medical Treatment	ISABELA1	GLPG1690	Phase 3	Not Published
NCT03720483	Inhaled NAC in Treatment of IPF	0	N-acetyl cysteine	Phase 1 Phase 2	Preventative
NCT03725852	A Clinical Study to Test How Effective and Safe GLPG1205 is for Patients With Idiopathic Pulmonary Fibrosis (IPF)	PINTA	GLPG1205	Phase 2	Not Published
NCT03727802	Safety, Tolerability, and Pharmacokinetic Study of TRK-250 for Patients With Idiopathic Pulmonary Fibrosis	0	TRK-250	Phase 1	Not Published
NCT03830125	Safety, Tolerability, Pharmacokinetics, and Pharmacodynamics of BBT-877 in Healthy Subjects	0	BBT-877	Phase 1	Not Published
NCT03832946	A Study to Test the Efficacy and Safety of Inhaled TD139 in Subjects With Idiopathic Pulmonary Fibrosis (IPF)	0	TD139	Phase 2	Therapeutic
NCT03865927	GKT137831 in IPF Patients With Idiopathic Pulmonary Fibrosis	GKT137831	GKT137831	Phase 2	Therapeutic