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| **Порядковый номер ссылки** | **Авторы, название публикации и источника, где она опубликована, выходные данные** | **ФИО, название публикации и источника на английском** | **Полный интернет-адрес (URL) цитируемой статьи или ее doi.** |
| 1. | Abboud R. T., Vimalanathan S. Pathogenesis of COPD. Part, I. The role of protease-antiprotease imbalance in emphysema. *Int. J. Tuberc. Lung Dis.,* 2008*,* Vol.12, no. 4, pp. 361–367. | - | https://www.ncbi.nlm.nih.gov/pubmed/18371259 |
| 2. | Arpino V., Brock M., Gill S. E. The role of TIMPs in regulation of extracellular matrix proteolysis. *Matrix Biology*, 2015, Vol. 44-46, pp. 247-254. | - | doi:10.1016/j.matbio.2015.03.005 |
| 3. | Arribas S. M., Hinek, A., González M. C. Elastic fibres and vascular structure in hypertension. *Pharmacology & Therapeutics*, 2006, Vol. 111, no. 3, pp. 771-791. | - | doi:10.1016/j.pharmthera.2005.12.003 |
| 4. | Baldwin A. K., Simpson A., Steer R., Cain S. A., Kielty C. M. Elastic fibres in health and disease. *Expert Reviews in Molecular Medicine*, 2013, Vol. 15. | - | doi:10.1017/erm.2013.9 |
| 5. | Barnes P. J. Mediators of Chronic Obstructive Pulmonary Disease. *Pharmacological Reviews*, 2004, Vol. 56, no. 4, pp. 515-548. | - | doi:10.1124/pr.56.4.2 |
| 6. | Belaaouaj A., McCarthy R., Baumann M., Gao Z., Ley T. J., Abraham S. N., Shapiro S. D. Mice lacking neutrophil elastase reveal impaired host defense against gram-negative bacterial sepsis. *Nature Medicine*, 1998, Vol. 4, no. 5, pp. 615-618. | - | doi:10.1038/nm0598-615 |
| 7. | Brehm A., Geraghty P., Campos M., Garcia-Arcos I., Dabo A. J., Gaffney A., Eden E., Jiang, X., D'Armiento J., Foronjy R. Cathepsin G degradation of phospholipid transfer protein (PLTP) augments pulmonary inflammation. The FASEB Journal, 2014, Vol. 28, no. 5, pp. 2318-2331. | - | doi:10.1096/fj.13-246843 |
| 8. | Chuchalin A., Khaltaev N., Antonov N., Galkin D., Manakov L., Antonini P., Murphy M., Solodovnikov A., Bousquet J., Pereira M., Demko I. Chronic respiratory diseases and risk factors in 12 regions of the Russian Federation. *International Journal of Chronic Obstructive Pulmonary Disease*, 2014, Vol. 9, pp. 963–974. | - | doi:10.2147/copd.s67283 |
| 9. | Churg A.,Wright J. L. Proteases and emphysema. *Current Opinion in Pulmonary Medicine*, 2005, Vol. 11, no. 2, pp. 153-159. |  | doi:10.1097/01.mcp.0000149592.51761.e3 |
| 10. | de Garavilla L., Greco M. N., Sukumar N., Chen Z., Pineda A. O., Mathews F. S., Di Cera E., Giardino E. C., Wells G. I., Haertlein B. J., Kauffman J. A., Corcoran T. W., Derian C. K., Eckardt A. J., Damiano B. P., Andrade-Gordon P., Maryanoff B. E. A Novel, Potent Dual Inhibitor of the Leukocyte Proteases Cathepsin G and Chymase. *Journal of Biological Chemistry*, 2005, Vol. 280, no. 18, pp. 18001-18007. | - | doi:10.1074/jbc.m501302200 |
| 11. | Demedts I. K., Demoor T., Bracke K. R., Joos G. F., Brusselle G. G. Role of apoptosis in the pathogenesis of COPD and pulmonary emphysema. *Respiratory Research*, 2006, Vol. 7, no. 1, p. 53. | - | doi:10.1186/1465-9921-7-53 |
| 12. | de Veer S. J., Wang C. K., Harris J. M., Craik D. J., Swedberg J. E. Improving the Selectivity of Engineered Protease Inhibitors: Optimizing the P2 Prime Residue Using a Versatile Cyclic Peptide Library. *Journal of Medicinal Chemistry*, 2015, Vol. 58, no. 20, pp. 8257-8268. | - | doi:10.1021/acs.jmedchem.5b01148 |
| 13. | Dillon T. J., Walsh R. L., Scicchitano R., Eckert B., Cleary E. G., Mclennan G. Plasma Elastin-derived Peptide Levels in Normal Adults, Children, and Emphysematous Subjects: Physiologic and Computed Tomographic Scan Correlates. *American Review of Respiratory Disease*, 1992, Vol. 146, no. 5, pp. 1143-1148, 1992. | - | doi:10.1164/ajrccm/146.5\_pt\_1.1143 |
| 14. | Gadek J. E., Pacht E. R. The protease-antiprotease balance within the human lung: Implications for the pathogenesis of emphysema. *Lung*, 1990, Vol. 168, no. 1, pp. 552-564. | - | doi:10.1007/bf02718178 |
| 15. | Gogebakan B., Bayraktar R., Ulaslı M., Oztuzcu S., Tasdemir D., Bayram H. The role of bronchial epithelial cell apoptosis in the pathogenesis of COPD. *Molecular Biology Reports*, 2014, Vol. 41, no. 8, pp. 5321-5327. | - | doi:10.1007/s11033-014-3403-3 |
| 16. | Gudmann N. S., Manon-Jensen T., Sand J. M. B., Diefenbach C., Sun S., Danielsen A., Karsdal M. A., Leeming D. J. Lung tissue destruction by proteinase 3 and cathepsin G mediated elastin degradation is elevated in chronic obstructive pulmonary disease. *Biochemical and Biophysical Research Communications*, 2018, vol. 503, no. 3, pp. 1284-1290. | - | doi:10.1016/j.bbrc.2018.07.038 |
| 17. | Hautamaki R. D., Kobayashi D. K., Senior R. M., Shapiro, S. D. Requirement for Macrophage Elastase for Cigarette Smoke-Induced Emphysema in Mice. *Science*, Vol. 277, no. 5334, pp. 2002-2004. | - | doi:10.1126/science.277.5334.2002 |
| 18. | Heinz A., Jung M. C., Jahreis G., Rusciani A., Duca L., Debelle L., Weiss A. S., Neubert R. H., Schmelzer C. E. The action of neutrophil serine proteases on elastin and its precursor. *Biochimie*, 2012, Vol. 94, no. 1, pp. 192-202. | - | doi:10.1016/j.biochi.2011.10.006 |
| 19. | Jiang X., D’Armiento J., Mallampalli R. K., Mar J., Yan S., Lin M. Expression of Plasma Phospholipid Transfer Protein mRNA in Normal and Emphysematous Lungs and Regulation by Hypoxia. *Journal of Biological Chemistry*, 1998, Vol. 273, no. 25, pp. 15714-15718. | - | doi:10.1074/jbc.273.25.15714 |
| 20. | Kielty C. M., Woolley D. E., Whittaker S. P., Shuttleworth C. Catabolism of intact fibrillin microfibrils by neutrophil elastase, chymotrypsin and trypsin. *FEBS Letters*, 1994, Vol. 351, no. 1, pp. 85-89. | - | doi:10.1016/0014-5793(94)00818-3 |
| 21. | Kosikowska P., Lesner A. Inhibitors of cathepsin G: a patent review (2005 to present). *Expert Opinion on Therapeutic Patents*, 2013, Vol. 23, no. 12, pp. 1611-1624. | - | doi:10.1517/13543776.2013.835397 |
| 22. | Lamprecht B., McBurnie M. A., Vollmer W. M., Gudmundsson G., Welte T., Nizankowska-Mogilnicka E., Studnicka M., Bateman E., Anto J. M., Burney P., Mannino D. M., Buist S. A. COPD in Never Smokers. *Chest*, 2011, Vol. 139, no. 4, pp. 752-763. | - | doi:10.1378/chest.10-1253 |
| 23. | Łęgowska A., Dębowski D., Lesner A., Wysocka M., Rolka K. Introduction of non-natural amino acid residues into the substrate-specific P1 position of trypsin inhibitor SFTI-1 yields potent chymotrypsin and cathepsin G inhibitors. *Bioorganic & Medicinal Chemistry*, 2009, Vol. 17, no. 9, pp. 3302-3307. | - | doi:10.1016/j.bmc.2009.03.045 |
| 24. | Lucas S. D., Costa E., Guedes R. C., Moreira R. Targeting COPD: advances on low-molecular-weight inhibitors of human neutrophil elastase. *Medicinal Research Reviews*, 2011, Vol. 33, no. 1, pp. 73-101. | - | doi:10.1002/med.20247 |
| 25. | Maryanoff B. E., de Garavilla L., Greco M. N., Haertlein B. J., Wells G. I., Andrade-Gordon P., Abraham W. M. Dual Inhibition of Cathepsin G and Chymase Is Effective in Animal Models of Pulmonary Inflammation. *American Journal of Respiratory and Critical Care Medicine*, 2010, Vol. 181, no. 3, pp. 247-253. | - | doi:10.1164/rccm.200904-0627oc |
| 26. | Mathers C. D., Loncar D. M Projections of Global Mortality and Burden of Disease from 2002 to 2030. PLoS Medicine, 2006, Vol. 3, no. 11, p.442. | - | doi:10.1371/journal.pmed.0030442 |
| 27. | Murray C. J. L., Lopez A. D. The global burden of disease. *Cambridge:MA,* 1996, 906 p. | - |  |
| 28. | Muzio M., Stockwell B. R., Stennicke H. R., Salvesen G. S., Dixit V. M. An Induced Proximity Model for Caspase-8 Activation. *Journal of Biological Chemistry*, 1998, Vol. 273, no. 5, pp. 2926-2930. | - | doi:10.1074/jbc.273.5.2926 |
| 29. | Oram J. F., Wolfbauer G., Tang C., Davidson W. S., Albers J. J. An Amphipathic Helical Region of the N-terminal Barrel of Phospholipid Transfer Protein Is Critical for ABCA1-dependent Cholesterol Efflux. *Journal of Biological Chemistry*, 2008, Vol. 283, no. 17, pp. 11541-11549. | - | doi:10.1074/jbc.m800117200 |
| 30. | Owen C. A. Roles for proteinases in the pathogenesis of chronic obstructive pulmonary disease. *International journal of chronic obstructive pulmonary disease,* 2008, Vol. 3, no. 2, pp. 253-268. | - | https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2629972/ |
| 31. | Qiu Y., Zhu J., Bandi V., Atmar R. L., Hattotuwa K., Guntupalli K. K., Jeffery P. K. Biopsy Neutrophilia, Neutrophil Chemokine and Receptor Gene Expression in Severe Exacerbations of Chronic Obstructive Pulmonary Disease. *American Journal of Respiratory and Critical Care Medicine*, 2003, Vol. 168, no. 8, pp. 968-975. | - | doi:10.1164/rccm.200208-794oc |
| 32. | Quimbar P., Malik U., Sommerhoff C. P., Kaas Q., Chan L. Y., Huang Y., Grundhuber M., Dunse K., Craik D. J., Anderson M. A., Daly N. L. High-affinity Cyclic Peptide Matriptase Inhibitors. *Journal of Biological Chemistry*, 2013, Vol. 288, no. 19, pp. 13885-13896. | - | doi:10.1074/jbc.m113.460030 |
| 33. | Rønnow S. R., Langholm L. L., Sand J. M. B., Thorlacius-Ussing J., Leeming D. J., Manon-Jensen T., Tal-Singer R., Miller B. E., Karsdal M. A., Vestbo J. Specific elastin degradation products are associated with poor outcome in the ECLIPSE COPD cohort. *Scientific Reports*, 2019, Vol. 9, no. 1. | - | doi:10.1038/s41598-019-40785-2 |
| 34. | Schriver E. E., Davidson J. M., Sutcliffe M. C., Swindell B. B., Bernard G. R. Comparison of Elastin Peptide Concentrations in Body Fluids from Healthy Volunteers, Smokers, and Patients with Chronic Obstructive Pulmonary Disease. *American Review of Respiratory Disease*, 1992, Vol. 145, no. 4, pp. 762-766. | - | doi:10.1164/ajrccm/145.4\_pt\_1.762 |
| 35. | Stoller J. K., Aboussouan L. S. A Review of α1-Antitrypsin Deficiency. *American Journal of Respiratory and Critical Care Medicine*, 2012, Vol. 185, no. 3, pp. 246-259. | - | doi:10.1164/rccm.201108-1428ci |
| 36. | Swedberg J. E., de Veer S. J., Sit K. C., Reboul C. F., Buckle A. M., Harris J. M. Mastering the Canonical Loop of Serine Protease Inhibitors: Enhancing Potency by Optimising the Internal Hydrogen Bond Network. *PLoS ONE*, 2011, Vol. 6, no. 4, p. e19302. | - | doi:10.1371/journal.pone.0019302 |
| 37. | Swedberg J. E., Li C. Y., de Veer S. J., Wang C. K., Craik D. J. Design of Potent and Selective Cathepsin G Inhibitors Based on the Sunflower Trypsin Inhibitor-1 Scaffold. *Journal of Medicinal Chemistry*, 2017, Vol. 60, no. 2, pp. 658-667. | - | doi:10.1021/acs.jmedchem.6b01509 |
| 38. | Swedberg J. E., Nigon L. V., Reid J. C., de Veer S. J., Walpole C. M., Stephens C. R., Walsh T. P., Takayama T. K., Hooper J. D., Clements J. A., Buckle A. M., Harris J. M. Substrate-Guided Design of a Potent and Selective Kallikrein-Related Peptidase Inhibitor for Kallikrein 4. *Chemistry & Biology*, 2009, Vol. 16, no. 6, pp. 633-643. | - | doi:10.1016/j.chembiol.2009.05.008 |
| 39. | Swee M. H., Parks W. C., Pierce R. A. Developmental Regulation of Elastin Production. *Journal of Biological Chemistry*, 1995, Vol. 270, no. 25, pp. 14899-14906. | - | doi:10.1074/jbc.270.25.14899 |
| 40. | von Nussbaum F., Li V. M. Neutrophil elastase inhibitors for the treatment of (cardio) pulmonary diseases: Into clinical testing with pre-adaptive pharmacophores. *Bioorganic & Medicinal Chemistry Letters*, 2015, Vol. 25, no. 20, pp. 4370-4381. | - | doi:10.1016/j.bmcl.2015.08.049 |
| 41. | Vuletic S., Dong W., Wolfbauer G., Tang C., Albers J. PLTP regulates STAT3 and NFκB in differentiated THP1 cells and human monocyte-derived macrophages. *Biochimica et Biophysica Acta (BBA) - Molecular Cell Research*, 2011, Vol. 1813, no. 10, pp. 1917-1924. | - | doi:10.1016/j.bbamcr.2011.06.013 |
| 42. | Wise S. G., Yeo G. C., Hiob M. A., Rnjak-Kovacina J., Kaplan D. L., Ng M. K., Weiss A. S. Tropoelastin: A versatile, bioactive assembly module. *Acta Biomaterialia*, 2014, Vol. 10, no. 4, pp. 1532-1541. | - | doi:10.1016/j.actbio.2013.08.003 |