

5-Lipoxygenase inhibitors: a review of recent developm

Expert Opinion on Therapeutic Patents

20, 355-375

DOI: 10.1517/13543771003602012

Citation Report

#	ARTICLE	IF	CITATIONS
1	Pharmacophore identification, synthesis, and biological evaluation of carboxylated chalcone derivatives as CysLT1 antagonists. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 5519-5527.	3.0	9
2	Potent and selective 5-LO inhibitor bearing benzothiophene pharmacophore: Discovery of MK-5286. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7440-7443.	2.2	18
3	5-Lipoxygenase Pathway. , 2011, , 73-100.		0
4	2-((4-(Biphenyl-4-ylamino)-6-chloropyrimidin-2-ylthio)octanoic acid (HZ52) – a novel type of 5-lipoxygenase inhibitor with favourable molecular pharmacology and efficacy in vivo. <i>British Journal of Pharmacology</i> , 2011, 164, 781-793.	5.4	6
5	Cyclooxygenases and lipoxygenases in cancer. <i>Cancer and Metastasis Reviews</i> , 2011, 30, 277-294.	5.9	138
6	Identification of 2-mercaptohexanoic acids as dual inhibitors of 5-lipoxygenase and microsomal prostaglandin E2 synthase-1. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3394-3401.	3.0	18
7	Potent Inhibitors of 5-lipoxygenase Identified using Pseudoreceptors. <i>ChemMedChem</i> , 2011, 6, 1001-1005.	3.2	11
8	Curcumin analogues as possible anti-proliferative & anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2722-2735.	5.5	80
9	Regulation of Taurine Transport Systems by Protein Kinase CK2 in Mammalian Cells. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 1099-1110.	1.6	25
10	Cinnamyl-3,4-Dihydroxy-Î±-Cyanocinnamate Is a Potent Inhibitor of 5-Lipoxygenase. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 205-213.	2.5	28
11	Target Identification and Validation of (+)-2-(1-Hydroxyl-4-Oxocyclohexyl) Ethyl Caffate, an Anti-Inflammatory Natural Product. <i>European Journal of Inflammation</i> , 2012, 10, 297-309.	0.5	8
12	Dynamic Modeling of Human 5-Lipoxygenase-Inhibitor Interactions Helps To Discover Novel Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2597-2605.	6.4	56
13	Anacardic acid derived salicylates are inhibitors or activators of lipoxygenases. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5027-5032.	3.0	22
14	Design and synthesis of a second series of triazole-based compounds as potent dual mPGES-1 and 5-lipoxygenase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 311-323.	5.5	40
15	Î±-Aryl-alkyl Nitrones, as Potential Agents for Stroke Treatment: Synthesis, Theoretical Calculations, Antioxidant, Anti-inflammatory, Neuroprotective, and Brain-Blood Barrier Permeability Properties. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 153-168.	6.4	59
16	Leukotriene A4 Hydrolase: Biology, Inhibitors and Clinical Applications. <i>RSC Drug Discovery Series</i> , 2012, , 58-103.	0.3	3
17	From Molecular Docking to 3D-Quantitative Structure-Activity Relationships (3D-QSAR): Insights into the Binding Mode of 5-lipoxygenase Inhibitors. <i>Molecular Informatics</i> , 2012, 31, 123-134.	2.5	11
18	5-Lipoxygenase inhibitors: a patent evaluation (WO2011161615). <i>Expert Opinion on Therapeutic Patents</i> , 2012, 22, 843-846.	5.0	0

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19	Citreorosein inhibits degranulation and leukotriene C4 generation through suppression of Syk pathway in mast cells. <i>Molecular and Cellular Biochemistry</i> , 2012, 365, 333-341.	3.1	12
20	On the inhibition of 5-lipoxygenase product formation by tryptanthrin: mechanistic studies and efficacy <i>in vivo</i> . <i>British Journal of Pharmacology</i> , 2012, 165, 765-776.	5.4	40
21	Molecular characterization of EP6: A novel imidazo[1,2-a]pyridine based direct 5-lipoxygenase inhibitor. <i>Biochemical Pharmacology</i> , 2012, 83, 228-240.	4.4	25
22	The protective effect of nordihydroguaiaretic acid on cerebral ischemia/reperfusion injury is mediated by the JNK pathway. <i>Brain Research</i> , 2012, 1445, 73-81.	2.2	34
23	Synthesis of some quinolinyl chalcone analogues and investigation of their anticancer and synergistic anticancer effect with doxorubicin. <i>Russian Journal of Bioorganic Chemistry</i> , 2012, 38, 428-434.	1.0	4
24	Discovery and biological evaluation of novel 1,4-benzoquinone and related resorcinol derivatives that inhibit 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2013, 67, 269-279.	5.5	37
25	Potent inhibition of human 5-lipoxygenase and microsomal prostaglandin E2 synthase-1 by the anti-carcinogenic and anti-inflammatory agent embelin. <i>Biochemical Pharmacology</i> , 2013, 86, 476-486.	4.4	79
26	Hydroxamic Acids. , 2013, , .		30
27	Direct access to pyrazolo(benzo)thienoquinolines. Highly effective palladium catalysts for the intramolecular C-H heteroarylation of arenes. <i>Chemical Communications</i> , 2013, 49, 1413.	4.1	19
28	Pseudoperoxidase investigations of hydroperoxides and inhibitors with human lipoxygenases. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3894-3899.	3.0	13
29	Synthesis and Structure-Activity Relationship Studies of Novel Dual Inhibitors of Soluble Epoxide Hydrolase and 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1777-1781.	6.4	31
30	5-Lipoxygenase inhibitors: a review of recent patents (2010 - 2012). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 895-909.	5.0	34
31	Structure-activity relationship and <i>in vitro</i> pharmacological evaluation of imidazo[1,2-a]pyridine-based inhibitors of 5-LO. <i>Future Medicinal Chemistry</i> , 2013, 5, 865-880.	2.3	5
32	Volume-sensitive release of organic osmolytes in the human lung epithelial cell line A549: role of the 5-lipoxygenase. <i>American Journal of Physiology - Cell Physiology</i> , 2013, 305, C48-C60.	4.6	24
33	Cancer-Produced Metabolites of 5-Lipoxygenase Induce Tumor-Evoked Regulatory B Cells via Peroxisome Proliferator-Activated Receptor γ . <i>Journal of Immunology</i> , 2013, 190, 2575-2584.	0.8	84
34	Clicked Cinnamic/Caffeic Esters and Amides as Radical Scavengers and 5-Lipoxygenase Inhibitors. <i>International Journal of Medicinal Chemistry</i> , 2014, 2014, 1-12.	2.2	6
35	Inflammation, Cancer and Oxidative Lipoxygenase Activity are Intimately Linked. <i>Cancers</i> , 2014, 6, 1500-1521.	3.7	124
36	Caulerpenyne and Related Bisphenol Esters Are Novel ϵ -Type Inhibitors of Human 5-lipoxygenase. <i>ChemMedChem</i> , 2014, 9, 1655-1659.	3.2	6

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37	Detection of mammalian 5-lipoxygenase activity using the fluorescent probe dihydrorhodamine 123. European Journal of Lipid Science and Technology, 2014, 116, 119-125.	1.5	1
38	The novel benzimidazole derivative <sc>BRP</sc> 7 inhibits leukotriene biosynthesis <i>in vitro</i> and <i>in vivo</i> by targeting 5-lipoxygenase-activating protein (<sc>FLAP</sc>). British Journal of Pharmacology, 2014, 171, 3051-3064.	5.4	36
39	Targeting leukotriene B ₄ in inflammation. Expert Opinion on Therapeutic Targets, 2014, 18, 79-93.	3.4	34
40	Elucidation of the molecular mechanism and the efficacy <i>in vivo</i> of a novel 1,4-benzoquinone that inhibits 5-lipoxygenase. British Journal of Pharmacology, 2014, 171, 2399-2412.	5.4	26
41	Inhibitors of the Arachidonic Acid Cascade: Interfering with Multiple Pathways. Basic and Clinical Pharmacology and Toxicology, 2014, 114, 83-91.	2.5	104
42	Inhibition of 5-lipoxygenase as anti-inflammatory mode of action of Plectranthus zeylanicus Benth and chemical characterization of ingredients by a mass spectrometric approach. Journal of Ethnopharmacology, 2014, 151, 800-809.	4.1	15
43	Human cytomegalovirus infection induces leukotriene B ₄ and 5-lipoxygenase expression in human placenta and umbilical vein endothelial cells. Placenta, 2014, 35, 345-350.	1.5	20
44	Novel lipid signaling pathways in Alzheimer's disease pathogenesis. Biochemical Pharmacology, 2014, 88, 560-564.	4.4	33
45	Analysis of 5-lipoxygenase phosphorylation on molecular level by <sc>MALDI</sc>-<sc>MS</sc>. FEBS Journal, 2014, 281, 1931-1947.	4.7	17
46	Development of 3,5-dinitrobenzoate-based 5-lipoxygenase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 2396-2402.	3.0	9
47	Munronia pinnata (Wall.) Theob.: Unveiling phytochemistry and dual inhibition of 5-lipoxygenase and microsomal prostaglandin E ₂ synthase (mPGES)-1. Journal of Ethnopharmacology, 2014, 151, 882-890.	4.1	7
48	Further studies on ethyl 5-hydroxy-indole-3-carboxylate scaffold: Design, synthesis and evaluation of 2-phenylthiomethyl-indole derivatives as efficient inhibitors of human 5-lipoxygenase. European Journal of Medicinal Chemistry, 2014, 81, 492-498.	5.5	21
49	One-Step Semisynthesis of Oleacein and the Determination as a 5-Lipoxygenase Inhibitor. Journal of Natural Products, 2014, 77, 441-445.	3.0	60
50	Lead modification: Amino acid appended indoles as highly effective 5-LOX inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 1642-1648.	3.0	17
51	Indirubin Core Structure of Glycogen Synthase Kinase-3 Inhibitors as Novel Chemotype for Intervention with 5-Lipoxygenase. Journal of Medicinal Chemistry, 2014, 57, 3715-3723.	6.4	37
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53	Benzo[d]isothiazole 1,1-dioxide derivatives as dual functional inhibitors of 5-lipoxygenase and microsomal prostaglandin E ₂ synthase-1. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2764-2767.	2.2	31
54	Effects of Echium plantagineum L. Bee Pollen on Basophil Degranulation: Relationship with Metabolic Profile. Molecules, 2014, 19, 10635-10649.	3.8	18

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55	Extraction, fractionation and assessment of antioxidant activities of active components of <i>Aframomum sceptrum</i> seeds. <i>African Journal of Biochemistry Research</i> , 2015, 9, 117-123.	0.7	3
56	Osthole: A Review on Its Bioactivities, Pharmacological Properties, and Potential as Alternative Medicine. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-10.	1.2	120
57	Physiological role of taurine “ from organism to organelle. <i>Acta Physiologica</i> , 2015, 213, 191-212.	3.8	248
58	Identification of 12/15-Lipoxygenase as a Regulator of Axon Degeneration through High-Content Screening. <i>Journal of Neuroscience</i> , 2015, 35, 2927-2941.	3.6	13
59	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. <i>European Journal of Medicinal Chemistry</i> , 2015, 94, 132-139.	5.5	36
60	Progesterone rapidly down-regulates the biosynthesis of 5-lipoxygenase products in human primary monocytes. <i>Pharmacological Research</i> , 2015, 94, 42-50.	7.1	12
61	Identification of the Substrate Access Portal of 5-Lipoxygenase. <i>Biochemistry</i> , 2015, 54, 6333-6342.	2.5	30
62	5-Lipoxygenase inhibitors suppress RANKL-induced osteoclast formation via NFATc1 expression. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7069-7078.	3.0	17
63	Betulinic acid derived hydroxamates and betulin derived carbamates are interesting scaffolds for the synthesis of novel cytotoxic compounds. <i>European Journal of Medicinal Chemistry</i> , 2015, 106, 194-210.	5.5	38
64	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellulo and blocks bronchoconstriction and inflammation in vivo. <i>Biochemical Pharmacology</i> , 2016, 112, 60-71.	4.4	25
65	Analgesic potential of standardized methanol stem bark extract of <i>Ficus platyphylla</i> in mice: Mechanisms of action. <i>Journal of Ethnopharmacology</i> , 2016, 184, 101-106.	4.1	11
66	2-Arylbenzo[<i>c</i>]furan derivatives as potent human lipoxygenase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 98-105.	5.2	13
67	BRP-187: A potent inhibitor of leukotriene biosynthesis that acts through impeding the dynamic 5-lipoxygenase/5-lipoxygenase-activating protein (FLAP) complex assembly. <i>Biochemical Pharmacology</i> , 2016, 119, 17-26.	4.4	36
68	A potent and selective inhibitor targeting human and murine 12/15-LOX. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1183-1190.	3.0	15
69	2-Amino-4-aryl thiazole: a promising scaffold identified as a potent 5-LOX inhibitor. <i>RSC Advances</i> , 2016, 6, 19271-19279.	3.6	16
70	Predictive Bioinformatic Assignment of Methyl-Bearing Stereocenters, Total Synthesis, and an Additional Molecular Target of Ajudazol B. <i>Journal of Organic Chemistry</i> , 2016, 81, 1333-1357.	3.2	18
71	LOX1 inhibition with small molecules. <i>Journal of Molecular Graphics and Modelling</i> , 2016, 63, 99-109.	2.4	2
72	Synthesis and biological evaluation of novel 5-hydroxylaminoisoxazole derivatives as lipoxygenase inhibitors and metabolism enhancing agents. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 712-720.	3.0	19

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73	Regulation of tumorigenic Wnt signaling by cyclooxygenase-2, 5-lipoxygenase and their pharmacological inhibitors: A basis for novel drugs targeting cancer cells?. , 2016, 157, 43-64.		36
74	<i>Myrica rubra</i> leaves as a potential source of a dual 5-LOX/COX inhibitor. Food and Agricultural Immunology, 2017, 28, 343-353.	1.4	15
75	Evaluation of Dual 5-Lipoxygenase/Microsomal Prostaglandin E2 Synthase-1 Inhibitory Effect of Natural and Synthetic Acronychia-Type Isoprenylated Acetophenones. Journal of Natural Products, 2017, 80, 699-706.	3.0	10
76	Synthesis of heterocycles from arylacetoneitriles: Powerful tools for medicinal chemists. Tetrahedron Letters, 2017, 58, 2629-2635.	1.4	18
77	Novel leukotriene biosynthesis inhibitors (2012-2016) as anti-inflammatory agents. Expert Opinion on Therapeutic Patents, 2017, 27, 607-620.	5.0	36
78	Biosynthesis of leukotriene B4. Seminars in Immunology, 2017, 33, 3-15.	5.6	59
79	Michael acceptor containing drugs are a novel class of 5-lipoxygenase inhibitor targeting the surface cysteines C416 and C418. Biochemical Pharmacology, 2017, 125, 55-74.	4.4	18
80	A new glycosidic antioxidant from <i>Ranunculus muricatus</i> L. (Ranunculaceae) exhibited lipoxygenase and xanthine oxidase inhibition properties. Natural Product Research, 2017, 31, 1251-1257.	1.8	24
81	Structure-activity relationship of caffeic acid phenethyl ester analogs as new 5-lipoxygenase inhibitors. Chemical Biology and Drug Design, 2017, 89, 514-528.	3.2	24
82	New Caffeic Acid Phenylethyl Ester Analogs Bearing Substituted Triazole: Synthesis and Structure-Activity Relationship Study towards 5-Lipoxygenase Inhibition. Journal of Chemistry, 2017, 2017, 1-11.	1.9	1
83	Alleviating Promotion of Inflammation and Cancer Induced by Nonsteroidal Anti-Inflammatory Drugs. International Journal of Inflammation, 2017, 2017, 1-17.	1.5	5
84	Synthesis of novel derivatives of chromenone bearing an N-carbamothioyl moiety as soybean 15-LOX inhibitors. Turkish Journal of Chemistry, 2017, 41, 335-344.	1.2	1
85	New Hydroxycinnamic Acid Esters as Novel 5-Lipoxygenase Inhibitors That Affect Leukotriene Biosynthesis. Mediators of Inflammation, 2017, 2017, 1-12.	3.0	17
86	Substituted Caffeic and Ferulic Acid Phenethyl Esters: Synthesis, Leukotrienes Biosynthesis Inhibition, and Cytotoxic Activity. Molecules, 2017, 22, 1124.	3.8	15
87	Computational Analysis of LOX1 Inhibition Identifies Descriptors Responsible for Binding Selectivity. ACS Omega, 2018, 3, 2261-2272.	3.5	3
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89	Insights into biological activity of ureidoamides with primaquine and amino acid moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 376-382.	5.2	10
90	Lipophilic extracts of Leucas zeylanica, a multi-purpose medicinal plant in the tropics, inhibit key enzymes involved in inflammation and gout. Journal of Ethnopharmacology, 2018, 224, 474-481.	4.1	23

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92	Drug discovery effectiveness from the standpoint of therapeutic mechanisms and indications. <i>Nature Reviews Drug Discovery</i> , 2018, 17, 19-33.	46.4	106
93	Recent advances in the search for novel 5-lipoxygenase inhibitors for the treatment of asthma. <i>European Journal of Medicinal Chemistry</i> , 2018, 153, 65-72.	5.5	64
94	Current Disease-Targets for Oleocanthal as Promising Natural Therapeutic Agent. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2899.	4.1	22
95	Design, synthesis and identification of novel substituted 2-amino thiazole analogues as potential anti-inflammatory agents targeting 5-lipoxygenase. <i>European Journal of Medicinal Chemistry</i> , 2018, 158, 34-50.	5.5	50
96	Synthesis, evaluation and docking studies of some 4-thiazolone derivatives as effective lipoxygenase inhibitors. <i>Chemical Papers</i> , 2018, 72, 2769-2783.	2.2	5
97	Sinapic acid phenethyl ester as a potent selective 5-lipoxygenase inhibitor: Synthesis and structure-activity relationship. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1876-1887.	3.2	9
98	Arbidol: a quarter-century after. Past, present and future of the original Russian antiviral. <i>Russian Chemical Reviews</i> , 2018, 87, 509-552.	6.5	12
99	The Biological Activities of Oleocanthal from a Molecular Perspective. <i>Nutrients</i> , 2018, 10, 570.	4.1	77
100	Neurogenic and neuroprotective donepezil-flavonoid hybrids with sigma-1 affinity and inhibition of key enzymes in Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 534-553.	5.5	38
101	Enantiomer of 19-Hydroxyeicosatetraenoic Acid Preferentially Protects Against Angiotensin II-Induced Cardiac Hypertrophy. <i>Drug Metabolism and Disposition</i> , 2018, 46, 1157-1168.	3.3	28
102	A Hydroquinone-Based Derivative Elicits Apoptosis and Autophagy via Activating a ROS-Dependent Unfolded Protein Response in Human Glioblastoma. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3836.	4.1	9
103	Long-Lasting Anti-Inflammatory and Antinociceptive Effects of Acute Ammonium Glycyrrhizinate Administration: Pharmacological, Biochemical, and Docking Studies. <i>Molecules</i> , 2019, 24, 2453.	3.8	26
104	5-Lipoxygenase as a drug target: A review on trends in inhibitors structural design, SAR and mechanism based approach. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 3745-3759.	3.0	55
105	Synthesis of diarylidencyclohexanone derivatives as potential anti-inflammatory leads against COX-2/mPGES1 and 5-LOX. <i>New Journal of Chemistry</i> , 2019, 43, 9012-9020.	2.8	11
106	In Vitro Evaluation and Docking Studies of 5-oxo-5H-furo[3,2-g]chromene-6-carbaldehyde Derivatives as Potential Anti-Alzheimer's Agents. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5451.	4.1	9
107	Exploring Biological Activity of 4-Oxo-4H-furo[2,3-h]chromene Derivatives as Potential Multi-Target-Directed Ligands Inhibiting Cholinesterases, I^2 -Secretase, Cyclooxygenase-2, and Lipoxygenase-5/15. <i>Biomolecules</i> , 2019, 9, 736.	4.0	12
108	Targeting Metalloenzymes for Therapeutic Intervention. <i>Chemical Reviews</i> , 2019, 119, 1323-1455.	47.7	181

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110	Pharmacodynamics simulation of HOEC by a computational model of arachidonic acid metabolic network. <i>Quantitative Biology</i> , 2019, 7, 30-41.	0.5	1
111	Identification of Peracetylated Quercetin as a Selective 12-Lipoxygenase Pathway Inhibitor in Human Platelets. <i>Molecular Pharmacology</i> , 2019, 95, 139-150.	2.3	11
112	4-(4-Chlorophenyl)thiazol-2-amines as pioneers of potential neurodegenerative therapeutics with anti-inflammatory properties based on dual DNase I and 5-LO inhibition. <i>Bioorganic Chemistry</i> , 2020, 95, 103528.	4.1	13
113	Avenanthramides as lipoxygenase inhibitors. <i>Heliyon</i> , 2020, 6, e04304.	3.2	14
114	Cannflavins “ From plant to patient: A scoping review. <i>FA-toterap</i> , 2020, 146, 104712.	2.2	21
115	Synthesis, inhibitory activity and in silico docking of dual COX/5-LOX inhibitors with quinone and resorcinol core. <i>European Journal of Medicinal Chemistry</i> , 2020, 204, 112620.	5.5	11
116	Advances in Computational and Bio-Engineering. <i>Learning and Analytics in Intelligent Systems</i> , 2020, , .	0.6	1
117	Synthesis and structure-activity relationships of novel 5-(hydroxamic acid)methyl oxazolidinone derivatives as 5-lipoxygenase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020, 35, 1471-1482.	5.2	7
118	Predicting multi-enzyme inhibition in the arachidonic acid metabolic network by <i>Heritiera fomes</i> extracts. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, , 1-14.	3.5	1
119	Stomopneulactone D from long-spined sea urchin <i>Stomopneustes variolaris</i> : Anti-inflammatory macrocyclic lactone attenuates cyclooxygenase-2 expression in lipopolysaccharide-activated macrophages. <i>Bioorganic Chemistry</i> , 2020, 103, 104140.	4.1	10
120	A cheminformatic study on chemical space characterization and diversity analysis of 5-LOX inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , 2020, 100, 107699.	2.4	1
121	Pharmacological activities of Hermannol (9-(7-methyloctyl)-9H-xanthene-2,3-diol), a new Xanthene derivative isolated from the roots of <i>Hermannia geniculata</i> Eckl. & Zeyh.. <i>South African Journal of Botany</i> , 2020, 135, 330-335.	2.5	2
122	Muricazine, a new hydrazine derivative from <i>Ranunculus muricatus</i> L. with antioxidant, lipoxygenase and urease inhibitory activities. <i>Natural Product Research</i> , 2020, , 1-6.	1.8	1
123	Structure-based design, semi-synthesis and anti-inflammatory activity of tocotrienolic amides as 5-lipoxygenase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 202, 112518.	5.5	9
124	Design, Synthesis and Biological Evaluation of Ferrocenyl Thiazole and Thiazolo[5,4-d]thiazole Catechols as Inhibitors of 5-hLOX and as Antibacterials against <i>Staphylococcus aureus</i> . <i>Structural Relationship and Computational Studies. Organometallics</i> , 2020, 39, 2672-2681.	2.3	7
125	Red-kerneled rice proanthocyanidin inhibits arachidonate 5-lipoxygenase and decreases psoriasis-like skin inflammation. <i>Archives of Biochemistry and Biophysics</i> , 2020, 689, 108307.	3.0	13
126	An overview of lipoxygenase inhibitors with approach of in vivo studies. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106411.	1.9	19

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129	Mechanistic insight on the role of leukotriene receptors in ischemicâ€“reperfusion injury. Pharmacological Reports, 2021, 73, 1240-1254.	3.3	33
130	From Vietnamese plants to a biflavonoid that relieves inflammation by triggering the lipid mediator class switch to resolution. Acta Pharmaceutica Sinica B, 2021, 11, 1629-1647.	12.0	7
131	Functionalized Homologues and Positional Isomers of Rabbit 15-Lipoxygenase RS75091 Inhibitor. Medicinal Chemistry, 2021, 17, .	1.5	1
132	Caffeic Acid Phenethyl Ester and Its Amide Analogue Are Potent Inhibitors of Leukotriene Biosynthesis in Human Polymorphonuclear Leukocytes. PLoS ONE, 2012, 7, e31833.	2.5	58
133	Discovery of a Novel Dual Fungal CYP51/Human 5-Lipoxygenase Inhibitor: Implications for Anti-Fungal Therapy. PLoS ONE, 2013, 8, e65928.	2.5	17
134	A Fluorescence-Based Assay for Measuring the Redox Potential of 5-Lipoxygenase Inhibitors. PLoS ONE, 2014, 9, e87708.	2.5	2
136	Hydroxamates as Ribonucleotide Reductase Inhibitors. , 2013, , 153-172.		0
138	Cis-parinaric Acid: A Non-redox Inhibitor of Lipoxygenase-1. Asian Journal of Biochemistry, 2017, 12, 27-35.	0.5	0
139	Towards a systematic analysis of structure-activity relationships of 5-LOX inhibitors through activity landscape and chemotype enrichment. Chemometrics and Intelligent Laboratory Systems, 2020, 207, 104188.	3.5	0
140	In Silico, In Vitro and In Vivo Anti-inflammatory and Analgesic Activity of Usnic Acid. Learning and Analytics in Intelligent Systems, 2020, , 249-261.	0.6	0
141	Multi-omic analysis of selectively vulnerable motor neuron subtypes implicates altered lipid metabolism in ALS. Nature Neuroscience, 2021, 24, 1673-1685.	14.8	38
142	In Silico, In Vitro, and In Vivo Analysis of Tanshinone IIA and Cryptotanshinone from Salvia miltiorrhiza as Modulators of Cyclooxygenase-2/mPGES-1/Endothelial Prostaglandin EP3 Pathway. Biomolecules, 2022, 12, 99.	4.0	2
143	Design and Synthesis of Functionalized 4-Aryl-Catechol Derivatives as New Anti-Inflammatory Agents with In Vivo Efficacy PART I. SSRN Electronic Journal, 0, , .	0.4	1
144	Caffeic acid phenethyl ester: a potential anticancer bioactive constituent of propolis.. Current Cancer Therapy Reviews, 2022, 18, .	0.3	0
145	Synthesis of a Pyridone-Based Phthalimide Fleximer and Its Characterization and Supramolecular Property Evaluation. ACS Omega, 2022, 7, 24485-24497.	3.5	4
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