Katarzyna Kiec-Kononowicz

List of Publications by Year in Descending Order

220 papers	3,268 citations	30 h-index	39 g-index
236 ext. papers	3,821 ext. citations	4.2 avg, IF	5.24 L-index

#	Paper	IF	Citations
220	GPR18-Mediated Relaxation of Human Isolated Pulmonary Arteries.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	1
219	The Structural Determinants for □Adrenergic/Serotonin Receptors Activity among Phenylpiperazine-Hydantoin Derivatives. *Molecules*, **2021**, 26,	4.8	1
218	PSB 603 - a known selective adenosine A2B receptor antagonist - has anti-inflammatory activity in mice. *Biomedicine and Pharmacotherapy*, **2021**, 135, 111164	7.5	10
217	Discovery of Potential, Dual-Active Histamine H Receptor Ligands with Combined Antioxidant Properties. *Molecules*, **2021**, 26,	4.8	1
216	An insight into the structure of 5-spiro aromatic derivatives of imidazolidine-2,4-dione, a new group of very potent inhibitors of tumor multidrug resistance in T-lymphoma cells. *Bioorganic Chemistry*, **2021**, 109, 104735	5.1	3
215	Ameliorating effects of histamine H3 receptor antagonist E177 on acute pentylenetetrazole-induced memory impairments in rats. *Behavioural Brain Research*, **2021**, 405, 113193	3.4	1
214	Dual-targeting Approach on Histamine H and Sigma-1 Receptor Ligands as Promising Pharmacological Tools in the Treatment of CNS-linked Disorders. *Current Medicinal Chemistry*, **2021**, 28, 2974-2995	4.3	1
213	Eosinophils adhesion assay as a tool for phenotypic drug screening - The pharmacology of 1,3,5 - Triazine and 1H-indole like derivatives against the human histamine H receptor. *European Journal of Pharmacology*, **2021**, 890, 173611	5.3	1
212	Novel selective agonist of GPR18, PSB-KK-1415 exerts potent anti-inflammatory and anti-nociceptive activities in animal models of intestinal inflammation and inflammatory pain. *Neurogastroenterology and Motility*, **2021**, 33, e14003	4	7
211	Structural modifications in the distal, regulatory region of histamine H receptor antagonists leading to the identification of a potent anti-obesity agent. *European Journal of Medicinal Chemistry*, **2021**, 213, 113041	6.8	3
210	Effects of GPR18 Ligands on Body Weight and Metabolic Parameters in a Female Rat Model of Excessive Eating. *Pharmaceuticals*, **2021**, 14,	5.2	3
209	The GPR18 Agonist PSB-KD-107 Exerts Endothelium-Dependent Vasorelaxant Effects. *Pharmaceuticals*, **2021**, 14,	5.2	2
208	Cyanobiphenyls: Novel H receptor ligands with cholinesterase and MAO B inhibitory activity as multitarget compounds for potential treatment of Alzheimer□ disease. *Bioorganic Chemistry*, **2021**, 114, 105129	5.1	1
207	Metabolic benefits of novel histamine H receptor ligands in the model of excessive eating: The importance of intrinsic activity and pharmacokinetic properties. *Biomedicine and Pharmacotherapy*, **2021**, 142, 111952	7.5	1
206	Synthesis and biological profiling of novel isocoumarin derivatives and related compounds. *Journal of the Serbian Chemical Society*, **2021**, 86, 639-649	0.9	2
205	and ADME-Tox Profiling and Safety Significance of Multifunctional Monoamine Oxidase Inhibitors Targeting Neurodegenerative Diseases. *ACS Chemical Neuroscience*, **2020**, 11, 3793-3801	5.7	4
204	Dual Target Ligands with 4-Butylphenoxy Scaffold as Histamine H Receptor Antagonists and Monoamine Oxidase B Inhibitors. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	3

203	The Dual-Active Histamine H Receptor Antagonist and Acetylcholine Esterase Inhibitor E100 Alleviates Autistic-Like Behaviors and Oxidative Stress in Valproic Acid Induced Autism in Mice. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
202	Discovery of Tricyclic Xanthines as Agonists of the Cannabinoid-Activated Orphan G-Protein-Coupled Receptor GPR18. *ACS Medicinal Chemistry Letters*, **2020**, 11, 2024-2031	4.3	8
201	KD-64-A new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonist-Caffeine does not reduce diet-induced obesity in mice. *PLoS ONE*, **2020**, 15, e0229806	3.7	4
200	Novel, Dual Target-Directed Annelated Xanthine Derivatives Acting on Adenosine Receptors and Monoamine Oxidase B. *ChemMedChem*, **2020**, 15, 772-786	3.7	4
199	8-Benzylaminoxanthine scaffold variations for selective ligands acting on adenosine A receptors. Design, synthesis and biological evaluation. *Bioorganic Chemistry*, **2020**, 101, 104033	5.1	1
198	Pitolisant protects mice chronically treated with corticosterone from some behavioral but not metabolic changes in corticosterone-induced depression model. *Pharmacology Biochemistry and Behavior*, **2020**, 196, 172974	3.9	1
197	A Taxicab geometry quantification system to evaluate the performance of in silico methods: a case study on adenosine receptors ligands. *Journal of Computer-Aided Molecular Design*, **2020**, 34, 697-707	4.2	
196	Computational Investigations on the Binding Mode of Ligands for the Cannabinoid-Activated G Protein-Coupled Receptor GPR18. *Biomolecules*, **2020**, 10,	5.9	9
195	Antagonism of Histamine H3 receptors Alleviates Pentylenetetrazole-Induced Kindling and Associated Memory Deficits by Mitigating Oxidative Stress, Central Neurotransmitters, and c-Fos Protein Expression in Rats. *Molecules*, **2020**, 25,	4.8	12
194	Search for new multi-target compounds against Alzheimer disease among histamine H receptor ligands. *European Journal of Medicinal Chemistry*, **2020**, 185, 111785	6.8	16
193	Salsolinol-neurotoxic or Neuroprotective?. *Neurotoxicity Research*, **2020**, 37, 286-297	4.3	7
192	Rational design of new multitarget histamine H receptor ligands as potential candidates for treatment of Alzheimer disease. *European Journal of Medicinal Chemistry*, **2020**, 207, 112743	6.8	7
191	N-Substituted piperazine derivatives as potential multitarget agents acting on histamine H receptor and cancer resistance proteins. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127522	2.9	2
190	Phenylpiperazine 5,5-Dimethylhydantoin Derivatives as First Synthetic Inhibitors of Msr(A) Efflux Pump in. *Molecules*, **2020**, 25,	4.8	1
189	Simultaneous Blockade of Histamine H Receptors and Inhibition of Acetylcholine Esterase Alleviate Autistic-Like Behaviors in BTBR T+ tf/J Mouse Model of Autism. *Biomolecules*, **2020**, 10,	5.9	10
188	In silico and in vitro studies on interaction of novel non-imidazole histamine HR antagonists with CYP3A4. *Bioorganic and Medicinal Chemistry Letters*, **2020**, 30, 127147	2.9	3
187	KD-64A new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonistCaffeine does not reduce diet-induced obesity in mice **2020**, 15, e0229806		
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184	KD-64A new selective A2A adenosine receptor antagonist has anti-inflammatory activity but contrary to the non-selective antagonistCaffeine does not reduce diet-induced obesity in mice **2020**, 15, e0229806		
183	Influence of the Novel Histamine H3 Receptor Antagonist/Inverse Agonist M39 on Gastroprotection and PGE2 Production Induced by ()-Alpha-Methylhistamine in C57BL/6 Mice. *Frontiers in Pharmacology*, **2019**, 10, 966	5.6	1
182	5-Arylideneimidazolones with Amine at Position 3 as Potential Antibiotic Adjuvants against Multidrug Resistant Bacteria. *Molecules*, **2019**, 24,	4.8	5
181	Design, synthesis, and and characterization of 1-{4-[4-(substituted)piperazin-1-yl]butyl}guanidines and their piperidine analogues as histamine H receptor antagonists. *MedChemComm*, **2019**, 10, 234-251	5	2
180	Structural modifications and in vitro pharmacological evaluation of 4-pyridyl-piperazine derivatives as an active and selective histamine H receptor ligands. *Bioorganic Chemistry*, **2019**, 91, 103071	5.1	9
179	Synthesis and computer-aided SAR studies for derivatives of phenoxyalkyl-1,3,5-triazine as the new potent ligands for serotonin receptors 5-HT. *European Journal of Medicinal Chemistry*, **2019**, 178, 740-751	6.8	10
178	Selenocompounds as Novel Antibacterial Agents and Bacterial Efflux Pump Inhibitors. *Molecules*, **2019**, 24,	4.8	18
177	Role of Histamine HReceptor Antagonists on Intraocular Pressure Reduction in Rabbit Models of Transient Ocular Hypertension and Glaucoma. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	8
176	Fluorinated indole-imidazole conjugates: Selective orally bioavailable 5-HT receptor low-basicity agonists, potential neuropathic painkillers. *European Journal of Medicinal Chemistry*, **2019**, 170, 261-275	6.8	14
175	Histamine H3 receptor antagonist E177 attenuates amnesia induced by dizocilpine without modulation of anxiety-like behaviors in rats. *Neuropsychiatric Disease and Treatment*, **2019**, 15, 531-542	3.1	11
174	Pronounced activity of aromatic selenocyanates against multidrug resistant ESKAPE bacteria. *New Journal of Chemistry*, **2019**, 43, 6021-6031	3.6	14
173	Novel multi-target directed ligands based on annelated xanthine scaffold with aromatic substituents acting on adenosine receptor and monoamine oxidase B. Synthesis, in vitro and in silico studies. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1195-1210	3.4	11
172	Alkyl derivatives of 1,3,5-triazine as histamine H receptor ligands. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 1254-1262	3.4	7
171	The dual-active histamine H3 receptor antagonist and acetylcholine esterase inhibitor E100 ameliorates stereotyped repetitive behavior and neuroinflammmation in sodium valproate induced autism in mice. *Chemico-Biological Interactions*, **2019**, 312, 108775	5	26
170	The 1,3,5-Triazine Derivatives as Innovative Chemical Family of 5-HT Serotonin Receptor Agents with Therapeutic Perspectives for Cognitive Impairment. *International Journal of Molecular Sciences* , **2019**, 20,	6.3	22
169	KSK19 - Novel histamine H3 receptor ligand reduces body weight in diet induced obese mice. *Biochemical Pharmacology*, **2019**, 168, 193-203	6	9
168	The Search for Histamine H4 Receptor Ligands with Anticancer Activity among Novel (Thio)urea Derivatives. *ChemistrySelect*, **2019**, 4, 10943-10952	1.8	3

167	4-(3-Aminoazetidin-1-yl)pyrimidin-2-amines as High-Affinity Non-imidazole Histamine H Receptor Agonists with in Vivo Central Nervous System Activity. *Journal of Medicinal Chemistry*, **2019**, 62, 10848-10866	8.3	6
166	New Dual Small Molecules for Alzheimer's Disease Therapy Combining Histamine H Receptor (H3R) Antagonism and Calcium Channels Blockade with Additional Cholinesterase Inhibition. *Journal of Medicinal Chemistry*, **2019**, 62, 11416-11422	8.3	18
165	Molecular Modeling of an Orphan GPR18 Receptor. *Letters in Drug Design and Discovery*, **2019**, 16, 1167-1174	1.8	4
164	The Neuroprotective Effects of Histamine H3 Receptor Antagonist E177 on Pilocarpine-Induced Status Epilepticus in Rats. *Molecules*, **2019**, 24,	4.8	12
163	Are the Hydantoin-1,3,5-triazine 5-HTR Ligands a Hope to a Find New Procognitive and Anti-Obesity Drug? Considerations Based on Primary In Vivo Assays and ADME-Tox Profile In Vitro. *Molecules*, **2019**, 24,	4.8	9
162	Synthesis and computer-aided analysis of the role of linker for novel ligands of the 5-HT serotonin receptor among substituted 1,3,5-triazinylpiperazines. *Bioorganic Chemistry*, **2019**, 84, 319-325	5.1	10
161	Antinociceptive effects of novel histamine H and H receptor antagonists and their influence on morphine analgesia of neuropathic pain in the mouse. *British Journal of Pharmacology*, **2018**, 175, 2897-2910	8.6	21
160	Fluorescent-Labeled Selective Adenosine A Receptor Antagonist Enables Competition Binding Assay by Flow Cytometry. *Journal of Medicinal Chemistry*, **2018**, 61, 4301-4316	8.3	18
159	Synthesis and biological activity of novel tert-butyl and tert-pentylphenoxyalkyl piperazine derivatives as histamine HR ligands. *European Journal of Medicinal Chemistry*, **2018**, 152, 223-234	6.8	16
158	Novel naphthyloxy derivatives - Potent histamine H receptor ligands. Synthesis and pharmacological evaluation. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2573-2585	3.4	18
157	Computer-aided insights into receptor-ligand interaction for novel 5-arylhydantoin derivatives as serotonin 5-HT receptor agents with antidepressant activity. *European Journal of Medicinal Chemistry*, **2018**, 147, 102-114	6.8	13
156	MF-8, a novel promising arylpiperazine-hydantoin based 5-HT receptor antagonist: In vitro drug-likeness studies and in vivo pharmacological evaluation. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 878-883	2.9	31
155	Novel Multitarget-Directed Ligands Aiming at Symptoms and Causes of Alzheimer's Disease. *ACS Chemical Neuroscience*, **2018**, 9, 1195-1214	5.7	32
154	Progress in the development of histamine H receptor antagonists/inverse agonists: a patent review (2013-2017). *Expert Opinion on Therapeutic Patents*, **2018**, 28, 175-196	6.8	21
153	2-Phenylquinoline S. aureus NorA Efflux Pump Inhibitors: Evaluation of the Importance of Methoxy Group Introduction. *Journal of Medicinal Chemistry*, **2018**, 61, 7827-7848	8.3	31
152	The Histamine H3 Receptor Antagonist DL77 Ameliorates MK801-Induced Memory Deficits in Rats. *Frontiers in Neuroscience*, **2018**, 12, 42	5.1	19
151	Probing Substituents in the 1- and 3-Position: Tetrahydropyrazino-Annelated Water-Soluble Xanthine Derivatives as Multi-Target Drugs With Potent Adenosine Receptor Antagonistic Activity. *Frontiers in Chemistry*, **2018**, 6, 206	5	3
150	The role of aryl-topology in balancing between selective and dual 5-HTR/5-HT actions of 3,5-substituted hydantoins. *MedChemComm*, **2018**, 9, 1033-1044	5	5

149	Anticonvulsant evaluation of novel non-imidazole histamine H3R antagonists in different convulsion models in rats. *Pharmacology Biochemistry and Behavior*, **2018**, 170, 14-24	3.9	8
148	Anticonvulsant and reproductive toxicological studies of the imidazole-based histamine H3R antagonist in mice. *Drug Design, Development and Therapy*, **2018**, 12, 179-194	4.4	7
147	Molecular and functional interaction between GPR18 and cannabinoid CB G-protein-coupled receptors. Relevance in neurodegenerative diseases. *Biochemical Pharmacology*, **2018**, 157, 169-179	6	33
146	Tricyclic xanthine derivatives containing a basic substituent: adenosine receptor affinity and drug-related properties. *MedChemComm*, **2018**, 9, 951-962	5	8
145	Study on the effect of EMD386088, a 5-HT receptor partial agonist, in enhancing the anti-immobility action of some antidepressants in rats. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2018**, 391, 37-49	3.4	6
144	Optimization and preclinical evaluation of novel histamine Hreceptor ligands: Acetyl and propionyl phenoxyalkyl piperazine derivatives. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 6056-6066	3.4	8
143	Histamine H3 Receptor Ligands in the Group of (Homo)piperazine Derivatives. *Current Medicinal Chemistry*, **2018**, 25, 1609-1626	4.3	9
142	Computer-Aided Studies for Novel Arylhydantoin 1,3,5-Triazine Derivatives as 5-HT Serotonin Receptor Ligands with Antidepressive-Like, Anxiolytic and Antiobesity Action In Vivo. *Molecules*, **2018**, 23,	4.8	14
141	Search for a 5-CT alternative. and evaluation of novel pharmacological tools: 3-(1-alkyl-1-imidazol-5-yl)-1-indole-5-carboxamides, low-basicity 5-HT receptor agonists. *MedChemComm*, **2018**, 9, 1882-1890	5	19
140	Studies on Anticonvulsant Effects of Novel Histamine H3R Antagonists in Electrically and Chemically Induced Seizures in Rats. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	17
139	4-tert-Pentylphenoxyalkyl derivatives - Histamine H receptor ligands and monoamine oxidase B inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 3596-3600	2.9	8
138	The histamine H3R antagonist DL77 attenuates autistic behaviors in a prenatal valproic acid-induced mouse model of autism. *Scientific Reports*, **2018**, 8, 13077	4.9	39
137	The histamine H receptor inverse agonist pitolisant reduces body weight in obese mice. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2018**, 391, 875-881	3.4	12
136	Structure-activity relationships of imidazothiazinones and analogs as antagonists of the cannabinoid-activated orphan G protein-coupled receptor GPR18. *European Journal of Medicinal Chemistry*, **2018**, 155, 381-397	6.8	10
135	Natural selenium particles from Staphylococcus carnosus: Hazards or particles with particular promise?. *Journal of Hazardous Materials*, **2017**, 324, 22-30	12.8	40
134	Antinociceptive effect of co-administered NMDA and histamine H4 receptor antagonists in a rat model of acute pain. *Pharmacological Reports*, **2017**, 69, 222-228	3.9	3
133	The computer-aided discovery of novel family of the 5-HT serotonin receptor ligands among derivatives of 4-benzyl-1,3,5-triazine. *European Journal of Medicinal Chemistry*, **2017**, 135, 117-124	6.8	22
132	Low-basicity 5-HT Receptor Agonists Synthesized Using the van Leusen Multicomponent Protocol. *Scientific Reports*, **2017**, 7, 1444	4.9	15

131	Phenylalanine derivatives with modulating effects on human 1-glycine receptors and anticonvulsant activity in strychnine-induced seizure model in male adult rats. *Epilepsy Research*, **2017**, 138, 124-131	3	9
130	Spectroscopic investigations of novel pharmaceuticals: Stability and resonant interaction with laser beam. *Applied Surface Science*, **2017**, 417, 143-148	6.7	1
129	Techniques Used in Pharmacological Evaluation of Histamine H4 Receptor Function on Native Human Eosinophils. *Methods in Pharmacology and Toxicology*, **2017**, 209-232	1.1	
128	Synthesis and biological activity of novel tert-amylphenoxyalkyl (homo)piperidine derivatives as histamine HR ligands. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 2701-2712	3.4	10
127	In the search for a lead structure among series of potent and selective hydantoin 5-HT R agents: The drug-likeness in vitro study. *Chemical Biology and Drug Design*, **2017**, 90, 1295-1306	2.9	35
126	Multifunctional Hybrid Compounds Derived from 2-(2,5-Dioxopyrrolidin-1-yl)-3-methoxypropanamides with Anticonvulsant and Antinociceptive Properties. *Journal of Medicinal Chemistry*, **2017**, 60, 8565-8579	8.3	19
125	Biphenyloxy-alkyl-piperidine and azepane derivatives as histamine H receptor ligands. *Bioorganic and Medicinal Chemistry*, **2017**, 25, 5341-5354	3.4	9
124	Aryl- and heteroaryl-substituted phenylalanines as AMPA receptor ligands. *Chemical Biology and Drug Design*, **2017**, 90, 1271-1281	2.9	0
123	Pharmacological characterization and binding modes of novel racemic and optically active phenylalanine-based antagonists of AMPA receptors. *European Journal of Medicinal Chemistry*, **2017**, 138, 874-883	6.8	0
122	Aryl-1,3,5-triazine ligands of histamine H receptor attenuate inflammatory and nociceptive response to carrageen, zymosan and lipopolysaccharide. *Inflammation Research*, **2017**, 66, 79-95	7.2	16
121	The Histamine H3 Receptor Antagonist E159 Reverses Memory Deficits Induced by Dizocilpine in Passive Avoidance and Novel Object Recognition Paradigm in Rats. *Frontiers in Pharmacology*, **2017**, 8, 709	5.6	20
120	Selenazolinium Salts as "Small Molecule Catalysts" with High Potency against ESKAPE Bacterial Pathogens. *Molecules*, **2017**, 22,	4.8	19
119	Effects of Bromoalkyl Phenytoin Derivatives on Regulated Death, Cell Cycle and Ultrastructure of Leukemia Cells. *Anticancer Research*, **2017**, 37, 6373-6380	2.3	1
118	Similarities and differences in affinity and binding modes of tricyclic pyrimido- and pyrazinoxanthines at human and rat adenosine receptors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 4347-4362	3.4	13
117	Evaluation of antidepressant-like and anxiolytic-like activity of purinedione-derivatives with affinity for adenosine A receptors in mice. *Pharmacological Reports*, **2016**, 68, 1285-1292	3.9	9
116	Design, synthesis and structure-activity relationships of novel phenylalanine-based amino acids as kainate receptors ligands. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 5568-5572	2.9	0
115	Characterization of non-olfactory GPCRs in human sperm with a focus on GPR18. *Scientific Reports*, **2016**, 6, 32255	4.9	14
114	Cholinesterase inhibitory activity of chlorophenoxy derivatives-Histamine H3 receptor ligands. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 4140-5	2.9	16

113	Novel Piperazine Arylideneimidazolones Inhibit the AcrAB-TolC Pump in Escherichia coli and Simultaneously Act as Fluorescent Membrane Probes in a Combined Real-Time Influx and Efflux Assay. *Antimicrobial Agents and Chemotherapy*, **2016**, 60, 1974-83	5.9	30
112	Chlorophenoxy aminoalkyl derivatives as histamine H(3)R ligands and antiseizure agents. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 53-72	3.4	27
111	Monocyclic and Fused Azines and Azoles as Histamine H4 Receptor Ligands. *Current Medicinal Chemistry*, **2016**, 23, 1870-925	4.3	5
110	Non-imidazole-based histamine H3 receptor antagonists with anticonvulsant activity in different seizure models in male adult rats. *Drug Design, Development and Therapy*, **2016**, 10, 3879-3898	4.4	24
109	Efflux Pump Blockers in Gram-Negative Bacteria: The New Generation of Hydantoin Based-Modulators to Improve Antibiotic Activity. *Frontiers in Microbiology*, **2016**, 7, 622	5.7	11
108	The Synthesis of 1,3,5-triazine Derivatives and JNJ7777120 Analogues with Histamine H4 Receptor Affinity and Their Interaction with PTEN Promoter. *Chemical Biology and Drug Design*, **2016**, 88, 254-63	2.9	9
107	In vitro study of histamine and histamine receptor ligands influence on the adhesion of purified human eosinophils to endothelium. *European Journal of Pharmacology*, **2016**, 777, 49-59	5.3	10
106	H3 histamine receptor antagonist pitolisant reverses some subchronic disturbances induced by olanzapine in mice. *Metabolic Brain Disease*, **2016**, 31, 1023-9	3.9	18
105	Identification of selenocompounds with promising properties to reverse cancer multidrug resistance. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 2821-2824	2.9	43
104	The 5-aromatic hydantoin-3-acetate derivatives as inhibitors of the tumour multidrug resistance efflux pump P-glycoprotein (ABCB1): Synthesis, crystallographic and biological studies. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 2815-22	3.4	24
103	Rational design in search for 5-phenylhydantoin selective 5-HT7R antagonists. Molecular modeling, synthesis and biological evaluation. *European Journal of Medicinal Chemistry*, **2016**, 112, 258-269	6.8	18
102	The novel non-imidazole histamine H3 receptor antagonist DL77 reduces voluntary alcohol intake and ethanol-induced conditioned place preference in mice. *Physiology and Behavior*, **2015**, 151, 189-97	3.5	16
101	Imidazolidine-4-one derivatives in the search for novel chemosensitizers of Staphylococcus aureus MRSA: synthesis, biological evaluation and molecular modeling studies. *European Journal of Medicinal Chemistry*, **2015**, 101, 313-25	6.8	17
100	Anti-inflammatory, antioxidant, and antiparkinsonian effects of adenosine A receptor antagonists. *Pharmacology Biochemistry and Behavior*, **2015**, 132, 71-78	3.9	8
99	Design, synthesis and biological evaluation of new hybrid anticonvulsants derived from N-benzyl-2-(2,5-dioxopyrrolidin-1-yl)propanamide and 2-(2,5-dioxopyrrolidin-1-yl)butanamide derivatives. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 2548-61	3.4	35
98	The stereoselectivity and hydrolysis efficiency of recombinant D-hydantoinase from Vigna angularis Against 5-benzylhydantoin derivatives with halogen and methyl substituents. *Applied Biochemistry and Biotechnology*, **2015**, 175, 698-704	3.2	2
97	Pharmacokinetics and tissue distribution of the new non-imidazole histamine H3 receptor antagonist 1-[3-(4-tert-butylphenoxy) propyl]piperidine in rats. *Xenobiotica*, **2015**, 45, 912-20	2	3
96	(2-Arylethenyl)-1,3,5-triazin-2-amines as a novel histamine H4 receptor ligands. *European Journal of Medicinal Chemistry*, **2015**, 103, 238-51	6.8	21

95	Aspects of a Distinct Cytotoxicity of Selenium Salts and Organic Selenides in Living Cells with Possible Implications for Drug Design. *Molecules*, **2015**, 20, 13894-912	4.8	22
94	Design, synthesis, and anticonvulsant activity of new hybrid compounds derived from 2-(2,5-dioxopyrrolidin-1-yl)propanamides and 2-(2,5-dioxopyrrolidin-1-yl)butanamides. *Journal of Medicinal Chemistry*, **2015**, 58, 5274-86	8.3	33
93	Synthesis and Analgesic Activity of Annelated Xanthine Derivatives in Experimental Models in Rodents. *Archiv Der Pharmazie*, **2015**, 348, 704-14	4.3	2
92	Human eosinophils - potential pharmacological model applied in human histamine H4 receptor research. *Current Medicinal Chemistry*, **2015**, 22, 2087-99	4.3	5
91	SAR-studies on the importance of aromatic ring topologies in search for selective 5-HT(7) receptor ligands among phenylpiperazine hydantoin derivatives. *European Journal of Medicinal Chemistry*, **2014**, 78, 324-39	6.8	30
90	Biotransformation of new racemic (R,S)-5-benzylhydantoin derivatives by D-hydantoinases from adzuki bean. *Biocatalysis and Biotransformation*, **2014**, 32, 117-124	2.5	3
89	New developments around histamine H(3) receptor antagonists/inverse agonists: a patent review (2010 - present). *Expert Opinion on Therapeutic Patents*, **2014**, 24, 89-111	6.8	35
88	MH-3: evidence for non-competitive antagonism towards the low-affinity site of α1-adrenoceptors. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **2014**, 387, 743-52	3.4	6
87	Aryl-1,3,5-triazine derivatives as histamine H4 receptor ligands. *European Journal of Medicinal Chemistry*, **2014**, 83, 534-46	6.8	38
86	Anticonvulsive effect of nonimidazole histamine H3 receptor antagonists. *Behavioural Pharmacology*, **2014**, 25, 245-52	2.4	31
85	The study of cellular cytotoxicity of argireline - an anti-aging peptide.. *Acta Biochimica Polonica*, **2014**, 61,	2	14
84	Fluorescent GPCR ligands as new tools in pharmacology-update, years 2008-early 2014. *Current Medicinal Chemistry*, **2014**, 21, 3962-75	4.3	14
83	Probing an artificial polypeptide receptor library using a series of novel histamine H3 receptor ligands. *Combinatorial Chemistry and High Throughput Screening*, **2014**, 17, 141-56	1.3	2
82	Discovery of novel lead in the group of N-substituted piperazine ether derivatives with potential histamine H3 receptor activity. *Medicinal Chemistry*, **2014**, 10, 588-99	1.8	3
81	The study of cellular cytotoxicity of argireline - an anti-aging peptide. *Acta Biochimica Polonica*, **2014**, 61, 29-32	2	4
80	Synthesis, biological activity and molecular modelling studies of tricyclic alkylimidazo-, pyrimido- and diazepinopurinediones. *Purinergic Signalling*, **2013**, 9, 395-414	3.8	12
79	1,3-Dialkyl-substituted tetrahydropyrimido[1,2-f]purine-2,4-diones as multiple target drugs for the potential treatment of neurodegenerative diseases. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7435-52	3.4	25
78	Methods for the synthesis of xanthine-derived polycyclic fused systems. *Heterocyclic Communications*, **2013**, 19,	1.7	5

77	Recent Advances in Multi-Drug Resistance (MDR) Efflux Pump Inhibitors of Gram-Positive Bacteria S. aureus. *Antibiotics*, **2013**, 2, 28-45	4.9	95
76	Anticonvulsant properties of histamine H3 receptor ligands belonging to N-substituted carbamates of imidazopropanol. *Bioorganic and Medicinal Chemistry Letters*, **2013**, 23, 4886-91	2.9	21
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