

# ElÅ¼bieta PÅkala

## List of Publications by Year in descending order

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100  
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1,774  
citations

304701

22  
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361001

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103  
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103  
docs citations

103  
times ranked

2399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Two Novel Hydantoin Derivatives Using Reconstructed Human Skin Model Episkin™: Perspectives for Application as Potential Sunscreen Agents. <i>Molecules</i> , 2022, 27, 1850.	3.8	2
2	Pan-Phosphodiesterase Inhibitors Attenuate TGF-β <sup>2</sup> -Induced Pro-Fibrotic Phenotype in Alveolar Epithelial Type II Cells by Downregulating Smad-2 Phosphorylation. <i>Pharmaceuticals</i> , 2022, 15, 423.	3.8	4
3	Anticancer half-sandwich Ir(III) complex and its interaction with various biomolecules and their mixtures – a case study with ascorbic acid. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 3758-3770.	6.0	11
4	Cinnamide derivatives with 4-hydroxypiperidine moiety enhance effect of doxorubicin to cancer cells and protect cardiomyocytes against drug-induced toxicity through CBR1 inhibition mechanism. <i>Life Sciences</i> , 2022, 305, 120777.	4.3	3
5	Autophagy modulating agents as chemosensitizers for cisplatin therapy in cancer. <i>Investigational New Drugs</i> , 2021, 39, 538-563.	2.6	36
6	Imidazopyridine-Based 5-HT <sub>6</sub> Receptor Neutral Antagonists: Impact of <i>N</i> -Benzyl and <i>N</i> -Phenylsulfonyl Fragments on Different Receptor Conformational States. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 1180-1196.	6.4	14
7	Design, Synthesis and Biological Activity of New Amides Derived from 3-Benzhydryl and 3-sec-butyl-2,5-dioxo-1-pyrrolidin-1-yl-acetic Acid. <i>ChemMedChem</i> , 2021, 16, 1619-1630.	3.2	4
8	Synthesis, Anticonvulsant, and Antinociceptive Activity of New 3-(2-Chlorophenyl)- and 3-(3-Chlorophenyl)-2,5-dioxo-pyrrolidin-1-yl-acetamides. <i>Molecules</i> , 2021, 26, 1564.	3.8	10
9	The role of oxidative stress in the etiology of selected civilization diseases. <i>Farmacja Polska</i> , 2021, 77, 111-120.	0.1	0
10	Dinuclear half-sandwich Ir(III) complexes containing 4,4'-methylenedianiline-based ligands: Synthesis, characterization, cytotoxicity. <i>Journal of Organometallic Chemistry</i> , 2021, 938, 121748.	1.8	2
11	Carbonyl reduction pathway in hepatic in vitro metabolism of anthracyclines: Impact of structure on biotransformation rate. <i>Toxicology Letters</i> , 2021, 342, 50-57.	0.8	4
12	Cinnamic Acid Derivatives as Cardioprotective Agents against Oxidative and Structural Damage Induced by Doxorubicin. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6217.	4.1	13
13	(+)-Usnic Acid as a Promising Candidate for a Safe and Stable Topical Photoprotective Agent. <i>Molecules</i> , 2021, 26, 5224.	3.8	9
14	Photodegradation of Bexarotene and Its Implication for Cytotoxicity. <i>Pharmaceutics</i> , 2021, 13, 1220.	4.5	2
15	A Comparative Survey of Anti-Melanoma and Anti-Inflammatory Potential of Usnic Acid Enantiomers – A Comprehensive In Vitro Approach. <i>Pharmaceutics</i> , 2021, 14, 945.	3.8	11
16	Multidirectional anti-melanoma effect of galactolipids (MGDG-1 and DGDG-1) from <i>Impatiens parviflora</i> DC. and their synergy with doxorubicin. <i>Toxicology in Vitro</i> , 2021, 76, 105231.	2.4	4
17	Neuropathic pain-alleviating activity of novel 5-HT <sub>6</sub> receptor inverse agonists derived from 2-aryl-1H-pyrrole-3-carboxamide. <i>Bioorganic Chemistry</i> , 2021, 115, 105218.	4.1	4
18	Trans-cinnamaldehyde: biological properties and applications in cosmetology. <i>Farmacja Polska</i> , 2021, 76, 619-627.	0.1	0

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19	The Involvement of Xanthone and (E)-Cinnamoyl Chromophores for the Design and Synthesis of Novel Sunscreening Agents. <i>International Journal of Molecular Sciences</i> , 2021, 22, 34.	4.1	6
20	Synthesis and in vitro evaluation of anti-inflammatory, antioxidant, and anti-fibrotic effects of new 8-aminopurine-2,6-dione-based phosphodiesterase inhibitors as promising anti-asthmatic agents. <i>Bioorganic Chemistry</i> , 2021, 117, 105409.	4.1	11
21	Analgesic and antiallodynic activity of novel anticonvulsant agents derived from 3-benzhydryl-pyrrolidine-2,5-dione in mouse models of nociceptive and neuropathic pain. <i>European Journal of Pharmacology</i> , 2020, 869, 172890.	3.5	4
22	A dual-acting 5-HT <sub>6</sub> receptor inverse agonist/MAO-B inhibitor displays glioprotective and pro-cognitive properties. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112765.	5.5	15
23	Medicinal potential of mycelium and fruiting bodies of an arboreal mushroom <i>Fomitopsis officinalis</i> in therapy of lifestyle diseases. <i>Scientific Reports</i> , 2020, 10, 20081.	3.3	17
24	Cinnamic acid derivatives as chemosensitising agents against DOX-treated lung cancer cells – Involvement of carbonyl reductase 1. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 154, 105511.	4.0	14
25	Impact of N-Alkylamino Substituents on Serotonin Receptor (5-HTR) Affinity and Phosphodiesterase 10A (PDE10A) Inhibition of Isoindole-1,3-dione Derivatives. <i>Molecules</i> , 2020, 25, 3868.	3.8	6
26	A Novel, Pan-PDE Inhibitor Exerts Anti-Fibrotic Effects in Human Lung Fibroblasts via Inhibition of TGF- $\beta$ <sup>2</sup> Signaling and Activation of cAMP/PKA Signaling. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4008.	4.1	28
27	Anticonvulsant and analgesic in neuropathic pain activity in a group of new aminoalkanol derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127325.	2.2	4
28	S(+)-(2E)-N-(2-Hydroxypropyl)-3-Phenylprop-2-Enamide (KM-568): A Novel Cinnamamide Derivative with Anticonvulsant Activity in Animal Models of Seizures and Epilepsy. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4372.	4.1	3
29	The evolution of biologics in the context of oncological therapy. <i>Oncology in Clinical Practice</i> , 2020, 16, 14-21.	0.1	0
30	Similar Safety Profile of the Enantiomeric N-Aminoalkyl Derivatives of Trans-2-Aminocyclohexan-1-ol Demonstrating Anticonvulsant Activity. <i>Molecules</i> , 2019, 24, 2505.	3.8	1
31	Discovery of Novel UV-Filters with Favorable Safety Profiles in the 5-Arylideneimidazolidine-2,4-dione Derivatives Group. <i>Molecules</i> , 2019, 24, 2321.	3.8	8
32	Saponins as chemosensitizing substances that improve effectiveness and selectivity of anticancer drug – Minireview of in vitro studies. <i>Phytotherapy Research</i> , 2019, 33, 2141-2151.	5.8	19
33	Novel multitarget 5-arylidenehydantoin with arylpiperazinealkyl fragment: Pharmacological evaluation and investigation of cytotoxicity and metabolic stability. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 4163-4173.	3.0	8
34	Synthesis of N-(phenoxyalkyl), N-(2-(phenoxy)ethoxy)ethyl or N-(phenoxyacetyl)piperazine Derivatives and Their Activity Within the Central Nervous System. <i>ChemistrySelect</i> , 2019, 4, 9381-9391.	1.5	4
35	Microbial biotransformation of some novel hydantoin derivatives: Perspectives for bioremediation of potential sunscreen agents. <i>Chemosphere</i> , 2019, 234, 108-115.	8.2	5
36	Dual 5-HT <sub>6</sub> and D <sub>3</sub> Receptor Antagonists in a Group of 1-Pyrrolo[3,2-quinolines with Neuroprotective and Pro-cognitive Activity. <i>ACS Chemical Neuroscience</i> , 2019, 10, 3183-3196.	3.5	24

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37	Novel phosphodiesterases inhibitors from the group of purine-2,6-dione derivatives as potent modulators of airway smooth muscle cell remodelling. <i>European Journal of Pharmacology</i> , 2019, 865, 172779.	3.5	13
38	Synthesis, in Silico and in Vitro Study on Phase I Metabolism of the Potent 5-Ht7/5-Ht1a/D2 Receptor Ligand: 4-Fluoron -(1-{2-[2-(Methylsulfonyl)- Phenoxy]Ethyl}Pyrrolidin-3-Yl) Benzene Sulfonamide. <i>Pharmaceutical Chemistry Journal</i> , 2019, 53, 713-719.	0.8	1
39	Photostability of Terbinafine Under UVA Irradiation: The Effect of UV Absorbers. <i>Photochemistry and Photobiology</i> , 2019, 95, 911-923.	2.5	6
40	Synergistic anticancer activity of doxorubicin and piperlongumine on DU-145 prostate cancer cells “ The involvement of carbonyl reductase 1 inhibition. <i>Chemico-Biological Interactions</i> , 2019, 300, 40-48.	4.0	30
41	Metabolic stability and its role in the discovery of new chemical entities. <i>Acta Pharmaceutica</i> , 2019, 69, 345-361.	2.0	60
42	Biotransformation of 4-fluoro-N-(1-{2-[(propano(2-yl)phenoxy]ethyl)-azabicyclo[3.2.1]octan-3-yl)-benzenesulfonamide, a novel potent 5-HT <sub>7</sub> receptor antagonist with antidepressant-like and anxiolytic properties: In vitro and in silico approach. <i>Journal of Biochemical and Molecular Toxicology</i> , 2018, 32, e22048.	3.0	7
43	Anti-Helicobacter pylori activities of selected N-substituted cinnamamide derivatives evaluated on reference and clinical bacterial strains. <i>Journal of Antibiotics</i> , 2018, 71, 543-548.	2.0	7
44	Antiallodynic and antihyperalgesic activity of new 3,3-diphenyl-propionamides with anticonvulsant activity in models of pain in mice. <i>European Journal of Pharmacology</i> , 2018, 821, 39-48.	3.5	13
45	In Vitro Biotransformation, Safety, and Chemopreventive Action of Novel 8-Methoxy-Purine-2,6-Dione Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2018, 184, 124-139.	2.9	10
46	Novel non-sulfonamide 5-HT <sub>6</sub> receptor partial inverse agonist in a group of imidazo[4,5-b]pyridines with cognition enhancing properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 716-729.	5.5	37
47	Synthesis and anticonvulsant activity of phenoxyacetyl derivatives of amines, including aminoalkanols and amino acids. <i>MedChemComm</i> , 2018, 9, 1933-1948.	3.4	8
48	Synthesis and Pharmacological Evaluation of Novel Silodosin-Based Arylsulfonamide Derivatives as $\alpha_1A/\alpha_1D$ -Adrenergic Receptor Antagonist with Potential Uroselective Profile. <i>Molecules</i> , 2018, 23, 2175.	3.8	2
49	Piperlongumine (piplartine) as a lead compound for anticancer agents “ Synthesis and properties of analogues: A mini-review. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 13-20.	5.5	88
50	Usnic acid reactive metabolites formation in human, rat, and mice microsomes. Implication for hepatotoxicity. <i>Food and Chemical Toxicology</i> , 2018, 120, 112-118.	3.6	16
51	Synthesis and activity of di- or trisubstituted N-(phenoxyalkyl)- or N-{2-[2-(phenoxy)ethoxy]ethyl}piperazine derivatives on the central nervous system. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2039-2049.	2.2	7
52	Fibroblast-to-myofibroblast transition in bronchial asthma. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 3943-3961.	5.4	95
53	Cinnamic acid derivatives in cosmetics: current use and future prospects. <i>International Journal of Cosmetic Science</i> , 2018, 40, 356-366.	2.6	91
54	Analgesic, antiallodynic, and anticonvulsant activity of novel hybrid molecules derived from N-benzyl-2-(2,5-dioxypyrrolidin-1-yl)propanamide and 2-(2,5-dioxypyrrolidin-1-yl)butanamide in animal models of pain and epilepsy. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2017, 390, 567-579.	3.0	15

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55	3-Aminomethyl Derivatives of 2-Phenylimidazo[1,2- <i>a</i> ]-pyridine as Positive Allosteric Modulators of GABA <sub>A</sub> Receptor with Potential Antipsychotic Activity. ACS Chemical Neuroscience, 2017, 8, 1291-1298.	3.5	15
56	Effect of some newly synthesized xanthone and piperazine derivatives with cardiovascular activity on rheology of human erythrocytes in vitro. Clinical Hemorheology and Microcirculation, 2017, 67, 1-14.	1.7	0
57	Metabolic carbonyl reduction of anthracyclines – role in cardiotoxicity and cancer resistance. Reducing enzymes as putative targets for novel cardioprotective and chemosensitizing agents. Investigational New Drugs, 2017, 35, 375-385.	2.6	46
58	Design, synthesis and anticonvulsant-analgesic activity of new N-[(phenoxy)alkyl]- and N-[(phenoxy)ethoxyethyl]aminoalkanols. MedChemComm, 2017, 8, 220-238.	3.4	10
59	Synthesis and Determination of Lipophilicity, Anticonvulsant Activity, and Preliminary Safety of 3-Substituted and 3-Unsubstituted N-(4-arylpiperazin-1-yl)alkyl]pyrrolidine-2,5-dione Derivatives. ChemMedChem, 2017, 12, 1848-1856.		7
60	The impact of ZnO and TiO <sub>2</sub> on the stability of clotrimazole under UVA irradiation: Identification of photocatalytic degradation products and in vitro cytotoxicity assessment. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 283-292.	2.8	12
61	Structure-anticonvulsant activity studies in the group of (E)-N-cinnamoyl aminoalkanols derivatives monosubstituted in phenyl ring with 4-Cl, 4-CH <sub>3</sub> or 2-CH <sub>3</sub> . Bioorganic and Medicinal Chemistry, 2017, 25, 471-482.	3.0	19
62	Design, synthesis, and anticonvulsant activity of some derivatives of xanthone with aminoalkanol moieties. Chemical Biology and Drug Design, 2017, 89, 339-352.	3.2	21
63	Two new triterpenoid saponins from the leaves of Impatiens parviflora DC. and their cytotoxic activity. Industrial Crops and Products, 2017, 96, 71-79.	5.2	22
64	Chemopreventive and Anticancer Activities of Bacopa Monnieri Extracted from Artificial Digestive Juices. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	4
65	Pentoxifylline and its active metabolite lisofylline attenuate transforming growth factor β <sub>1</sub> -induced asthmatic bronchial fibroblast-to-myofibroblast transition. Acta Biochimica Polonica, 2016, 63, 437-42.	0.5	9
66	Preliminary Safety Assessment of New Azinesulfonamide Analogs of Aripiprazole using Prokaryotic Models. Advanced Pharmaceutical Bulletin, 2016, 6, 377-384.	1.4	2
67	Preliminary mutagenicity and genotoxicity evaluation of selected arylsulfonamide derivatives of (aryloxy)alkylamines with potential psychotropic properties. Journal of Applied Genetics, 2016, 57, 263-270.	1.9	3
68	Design, synthesis, and biological evaluation of fluorinated imidazo[1,2- <i>a</i> ]pyridine derivatives with potential antipsychotic activity. European Journal of Medicinal Chemistry, 2016, 124, 456-467.	5.5	27
69	Synergistic Cytotoxic and Anti-invasive Effects of Mitoxantrone and Triterpene Saponins from Lysimachia ciliata on Human Prostate Cancer Cells. Planta Medica, 2016, 82, 1546-1552.	1.3	12
70	In vitro mutagenic, antimutagenic, and antioxidant activities evaluation and biotransformation of some bioactive 4-substituted 1-(2-methoxyphenyl)piperazine derivatives. Journal of Biochemical and Molecular Toxicology, 2016, 30, 593-601.	3.0	20
71	Synthesis and biological evaluation of 2-fluoro and 3-trifluoromethyl-phenyl-piperazinylalkyl derivatives of 1H-imidazo[2,1- <i>f</i> ]purine-2,4(3H,8H)-dione as potential antidepressant agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 10-24.	5.2	21
72	Anticonvulsant activity, crystal structures, and preliminary safety evaluation of N-trans-cinnamoyl derivatives of selected (un)modified aminoalkanols. European Journal of Medicinal Chemistry, 2016, 107, 26-37.	5.5	16

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73	Evaluation of anticonvulsant and antinociceptive properties of new N-Mannich bases derived from pyrrolidine-2,5-dione and 3-methylpyrrolidine-2,5-dione. Naunyn-Schmiedeberg's Archives of Pharmacology, 2016, 389, 339-348.	3.0	20
74	N-Alkylated arylsulfonamides of (aryloxy)ethyl piperidines: 5-HT7 receptor selectivity versus multireceptor profile. Bioorganic and Medicinal Chemistry, 2016, 24, 130-139.	3.0	16
75	Cunninghamella Biotransformation - Similarities to Human Drug Metabolism and Its Relevance for the Drug Discovery Process. Current Drug Metabolism, 2016, 17, 107-117.	1.2	30
76	Synthesis, Anticonvulsant Activity and Metabolism of 4-chloro-3-methylphenoxyethylamine Derivatives of Trans-2-aminocyclohexanol. Chirality, 2015, 27, 163-169.	2.6	8
77	New Arylpiperazinylalkyl Derivatives of 8-Alkoxy-2,6-dione and Dihydro[1,3]oxazolo[2,3-f]purinedione Targeting the Serotonin 5-HT <sub>1A</sub> /5-HT <sub>2A</sub> /5-HT <sub>7</sub> and Dopamine D <sub>2</sub> Receptors. Archiv Der Pharmazie, 2015, 348, 242-253.	4.1	6
78	Design, synthesis and biological activity of new amides derived from 3-methyl-3-phenyl-2,5-dioxo-pyrrolidin-1-yl-acetic acid. European Journal of Medicinal Chemistry, 2015, 102, 14-25.	5.5	33
79	Simultaneous LC/ESI-MS Separation Method for the Enantioseparation of Some New Anticonvulsant Drugs. Chirality, 2014, 26, 144-149.	2.6	0
80	Antimutagenic compounds and their possible mechanisms of action. Journal of Applied Genetics, 2014, 55, 273-285.	1.9	144
81	Evaluation of mutagenic and antimutagenic properties of new derivatives of pyrrolidine-2,5-dione with anti-epileptic activity, by use of the Vibrio harveyi mutagenicity test. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 758, 18-22.	1.7	16
82	Synthesis and biological properties of new N-Mannich bases derived from 3-methyl-3-phenyl- and 3,3-dimethyl-succinimides. Part V. European Journal of Medicinal Chemistry, 2013, 66, 12-21.	5.5	28
83	Search for new tools to combat Gram-negative resistant bacteria among amine derivatives of 5-arylidenehydantoin. Bioorganic and Medicinal Chemistry, 2013, 21, 135-145.	3.0	29
84	RNAi in Clinical Studies. Current Medicinal Chemistry, 2013, 20, 1801-1816.	2.4	56
85	In vitro effect of pentoxifylline and lisofylline on deformability and aggregation of red blood cells from healthy subjects and patients with chronic venous disease.. Acta Biochimica Polonica, 2013, 60, .	0.5	15
86	Cunninghamella as a Microbiological Model for Metabolism of Histamine H3 Receptor Antagonist 1-[3-(4-tert-Butylphenoxy)propyl]piperidine. Applied Biochemistry and Biotechnology, 2012, 168, 1584-1593.	2.9	13
87	Synthesis and anticonvulsant activity of trans- and cis-2-(2,6-dimethylphenoxy)-N-(2- or Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6927-6934.	3.0	18
88	The study of the lipophilicity of some aminoalkanol derivatives with anticonvulsant activity. Biomedical Chromatography, 2010, 24, 1365-1372.	1.7	7
89	Alcohol Dehydrogenases as Tools for the Preparation of Enantiopure Metabolites of Drugs with Methyl Alkyl Ketone Moiety. Scientia Pharmaceutica, 2009, 77, 9-17.	2.0	6
90	The Influence of some Xanthone Derivatives on the Activity of J-774A.1 Cells. Scientia Pharmaceutica, 2009, 77, .	2.0	3

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91	Estimating the lipophilicity of a number of 2-amino-1-cyclohexanol derivatives exhibiting anticonvulsant activity. <i>Biomedical Chromatography</i> , 2009, 23, 543-550.	1.7	14
92	Anticonvulsant activity of some xanthone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7234-7244.	3.0	34
93	Enantioselective reduction of pentoxifylline to lisofylline using whole-cell <i>Lactobacillus kefiri</i> biotransformation. <i>Biotechnology Journal</i> , 2007, 2, 492-496.	3.5	15
94	Synthesis and biological activity of tricyclic arylimidazo-, pyrimido-, and diazepinopurinediones. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 7258-7281.	3.0	36
95	Synthesis, structure-activity relationship of some new anti-arrhythmic 5-arylidene imidazolidine-2,4-dione derivatives. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 259-269.	5.5	16
96	Tricyclic oxazolo[2,3-f]purinediones: potency as adenosine receptor ligands and anticonvulsants. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 4895-4908.	3.0	23
97	Imidazo[2,1-b]thiazepines: synthesis, structure and evaluation of benzodiazepine receptor binding. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 205-218.	5.5	19
98	Impact of the aryl substituent kind and distance from pyrimido[2,1-f]purindiones on the adenosine receptor selectivity and antagonistic properties. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 397-402.	5.5	26
99	Synthesis, structure and antiarrhythmic properties evaluation of new basic derivatives of 5,5-diphenylhydantoin. <i>European Journal of Medicinal Chemistry</i> , 2003, 38, 555-566.	5.5	23
100	Imidazo-thiazine, -diazinone and -diazepinone derivatives. Synthesis, structure and benzodiazepine receptor binding. <i>European Journal of Medicinal Chemistry</i> , 2001, 36, 407-419.	5.5	38