

Sulfonamides: a patent review (2008 – 2012)

Expert Opinion on Therapeutic Patents

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Amide derivatives of benzene-sulfonanilide, pharmaceutical composition thereof and method for cancer treatment using the same (US20120095092). <i>Expert Opinion on Therapeutic Patents</i> , 2012, 22, 1251-1255.	2.4	4
2	Carbonic anhydrase inhibitors. Benzenesulfonamides incorporating cyanoacrylamide moieties strongly inhibit <i>Saccharomyces cerevisiae</i> Î²-carbonic anhydrase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3570-3575.	1.0	18
3	5-Substituted-(1,2,3-triazol-4-yl)thiophene-2-sulfonamides strongly inhibit human carbonic anhydrases I, II, IX and XII: Solution and X-ray crystallographic studies. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5130-5138.	1.4	31
4	QSAR studies of sulfamate and sulfamide inhibitors targeting human carbonic anhydrase isozymes I, II, IX and XII. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1404-1409.	1.4	9
5	Inhibition of human carbonic anhydrase isoforms Î¼XIV with sulfonamides incorporating fluorine and 1,3,5-triazine moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6929-6936.	1.4	18
6	Cloning, Characterization, and Sulfonamide and Thiol Inhibition Studies of an Î±-Carbonic Anhydrase from <i>Trypanosoma cruzi</i> , the Causative Agent of Chagas Disease. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 1761-1771.	2.9	89
7	Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005 â€“ 2013). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 681-691.	2.4	252
8	Carbonic anhydrase inhibitors: Benzenesulfonamides incorporating cyanoacrylamide moieties are low nanomolar/subnanomolar inhibitors of the tumor-associated isoforms IX and XII. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 1396-1403.	1.4	48
9	Secondary and tertiary sulfonamides: a patent review (2008 â€“ 2012). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 203-213.	2.4	79
10	A Closer Look at the Bromineâ€“Lithium Exchange with <i>tert</i> -Butyllithium in an Aryl Sulfonamide Synthesis. <i>Organic Letters</i> , 2013, 15, 2954-2957.	2.4	45
11	Anticancer carbonic anhydrase inhibitors: a patent review (2008 â€“ 2013). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 737-749.	2.4	226
12	Carbonic anhydrase inhibitors: an editorial. <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 677-679.	2.4	125
13	Acetazolamide-induced cilio-choroidal effusion after cataract surgery: unusual posterior involvement. <i>Drug Design, Development and Therapy</i> , 2013, 7, 33.	2.0	20
14	4-Amino-substituted Benzenesulfonamides as Inhibitors of Human Carbonic Anhydrases. <i>Molecules</i> , 2014, 19, 17356-17380.	1.7	18
15	Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , 2014, 6, 1149-1165.	1.1	172
16	Safety of carbonic anhydrase inhibitors. <i>Expert Opinion on Drug Safety</i> , 2014, 13, 459-472.	1.0	47
18	Inhibition studies of new ureido-substituted sulfonamides incorporating a GABA moiety against human carbonic anhydrase isoforms Î¼XIV. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 6768-6775.	1.4	23
19	Application of multivariate curve resolution alternating least squares to biomedical analysis using electrochemical techniques at a nanostructure-based modified sensor. <i>Electrochimica Acta</i> , 2014, 130, 271-278.	2.6	29

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20	Benzenesulfonamides with benzimidazole moieties as inhibitors of carbonic anhydrases I, II, VII, XII and XIII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 124-131.	2.5	26
21	Combining the tail and the ring approaches for obtaining potent and isoform-selective carbonic anhydrase inhibitors: Solution and X-ray crystallographic studies. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 334-340.	1.4	104
22	Screening of novel chemical compounds as possible inhibitors of carbonic anhydrase and photosynthetic activity of photosystem II. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 137, 156-167.	1.7	14
23	Inhibition of carbonic anhydrase isoforms I, II, IX and XII with novel Schiff bases: Identification of selective inhibitors for the tumor-associated isoforms over the cytosolic ones. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5883-5890.	1.4	13
24	Quinazoline- α -sulfonamides with potent inhibitory activity against the β -carbonic anhydrase from <i>Vibrio cholerae</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5133-5140.	1.4	41
25	Discovery of a new family of carbonic anhydrases in the malaria pathogen <i>Plasmodium falciparum</i> – The β -carbonic anhydrases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4389-4396.	1.0	297
26	Synthesis of sulfonamides with effective inhibitory action against <i>Porphyromonas gingivalis</i> β -carbonic anhydrase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4006-4010.	1.0	21
27	Anion inhibition study of the β -class carbonic anhydrase (PgiCAB) from the oral pathogen <i>Porphyromonas gingivalis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4402-4406.	1.0	28
28	A systematic quantitative approach to rational drug design and discovery of novel human carbonic anhydrase IX inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 571-581.	2.5	9
29	Sulfonamides with Potent Inhibitory Action and Selectivity against the β -Carbonic Anhydrase from <i>Vibrio cholerae</i> . <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 826-830.	1.3	23
30	Synthesis and antitumor activity of pyrido [2,3-d]pyrimidine and pyrido[2,3-d][1,2,4]triazolo[4,3-a]pyrimidine derivatives that induce apoptosis through G1 cell-cycle arrest. <i>European Journal of Medicinal Chemistry</i> , 2014, 83, 155-166.	2.6	88
31	Substituted benzene sulfonamides incorporating 1,3,5-triazinyl moieties potently inhibit human carbonic anhydrases II, IX and XII. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1310-1314.	1.0	20
32	Synthesis and carbonic anhydrase I, II, IX and XII inhibition studies of 4-N,N-disubstituted sulfanilamides incorporating 4,4,4-trifluoro-3-oxo-but-1-enyl, phenacylthiourea and imidazol-2(3H)-one/thione moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 1776-1779.	1.0	24
33	Flow synthesis and biological activity of aryl sulfonamides as selective carbonic anhydrase IX and XII inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3422-3425.	1.0	17
34	Design, synthesis and evaluation of N-substituted saccharin derivatives as selective inhibitors of tumor-associated carbonic anhydrase XII. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1821-1831.	1.4	73
35	Biochemical properties of a new β -carbonic anhydrase from the human pathogenic bacterium, <i>Vibrio cholerae</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 23-27.	2.5	90
36	Targeting Carbonic Anhydrases. , 2014, , .		9
37	Aqueous acidities of primary benzenesulfonamides: Quantum chemical predictions based on density functional theory and SMD. <i>Journal of Computational Chemistry</i> , 2015, 36, 2158-2167.	1.5	10

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38	Trifluormethylchlorsulfonylierung von Alkenen – Hinweise auf einen Innensphärenmechanismus eines Kupferphenanthrolin-Photoredoxkatalysators. <i>Angewandte Chemie</i> , 2015, 127, 7105-7108.	1.6	78
39	Synthesis and Evaluation of 5-Chloro-2-Methoxy-N-(4-Sulphamoylphenyl) Benzamide Derivatives as Anti-cancer Agents. , 2015, 05, .		8
40	Cloning, characterization and anion inhibition study of a β -class carbonic anhydrase from the caries producing pathogen <i>Streptococcus mutans</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 2995-3001.	1.4	27
41	Indoline ureas as potential anti-hepatocellular carcinoma agents targeting VEGFR-2: Synthesis, in vitro biological evaluation and molecular docking. <i>European Journal of Medicinal Chemistry</i> , 2015, 100, 89-97.	2.6	53
42	Inhibition of carbonic anhydrase isoforms I, II, IX and XII with Schiff bases incorporating iminoureido moieties. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 901-907.	2.5	13
43	The β -class carbonic anhydrases as drug targets for antimalarial agents. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 551-563.	1.5	146
44	X-ray crystallographic and kinetic investigations of 6-sulfamoyl-saccharin as a carbonic anhydrase inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4064-4069.	1.5	26
45	Carbonic anhydrase inhibitors: Design, synthesis and structural characterization of new heteroaryl-N-carbonylbenzenesulfonamides targeting druggable human carbonic anhydrase isoforms. <i>European Journal of Medicinal Chemistry</i> , 2015, 102, 223-232.	2.6	24
46	Sulfonamide inhibition study of the β -class carbonic anhydrase from the caries producing pathogen <i>Streptococcus mutans</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 2291-2297.	1.0	31
47	Acetazolamide for the treatment of idiopathic intracranial hypertension. <i>Expert Review of Neurotherapeutics</i> , 2015, 15, 851-856.	1.4	128
48	A core-shell-structured molecularly imprinted polymer on upconverting nanoparticles for selective and sensitive fluorescence sensing of sulfamethazine. <i>Analyst</i> , The, 2015, 140, 5301-5307.	1.7	38
49	New 4-[(3-cyclohexyl-4-aryl-2,3-dihydro-1,3-thiazol-2-ylidene)amino]benzene-1-sulfonamides, synthesis and inhibitory activity toward carbonic anhydrase I, II, IX, XII. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3281-3284.	1.0	19
50	Trifluoromethylchlorosulfonylation of Alkenes: Evidence for an Inner-Sphere Mechanism by a Copper Phenanthroline Photoredox Catalyst. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6999-7002.	7.2	303
51	Discovery of novel isatin-based sulfonamides with potent and selective inhibition of the tumor-associated carbonic anhydrase isoforms IX and XII. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6493-6499.	1.5	55
52	7-Amino-3,4-dihydro-1H-quinolin-2-one, a compound similar to the substituted coumarins, inhibits β -carbonic anhydrases without hydrolysis of the lactam ring. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 773-777.	2.5	25
53	Anion inhibition studies of the dandruff-producing fungus <i>Malassezia globosa</i> β -carbonic anhydrase MgCA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 5194-5198.	1.0	27
54	Out of the active site binding pocket for carbonic anhydrase inhibitors. <i>Chemical Communications</i> , 2015, 51, 302-305.	2.2	111
55	New series of sulfonamides containing amino acid moiety act as effective and selective inhibitors of tumor-associated carbonic anhydrase XII. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 430-434.	2.5	32

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56	In vivo Evaluation of Selective Carbonic Anhydrase Inhibitors as Potential Anticonvulsant Agents. <i>ChemMedChem</i> , 2016, 11, 1812-1818.	1.6	36
57	Reaction of polychloroacetaldehyde arylsulfonylimines with 2-amino-6H-1,3-thiazine-6-thiones and 2-amino-4-phenyl-6H-1,3-thiazin-6-one. <i>Russian Journal of Organic Chemistry</i> , 2016, 52, 1670-1673.	0.3	0
58	Carbonic anhydrase inhibition and the management of neuropathic pain. <i>Expert Review of Neurotherapeutics</i> , 2016, 16, 961-968.	1.4	124
59	CA IX stratification based on cancer treatment: a patent evaluation of US2016/0002350. <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 1105-1109.	2.4	5
60	Mycobacterial carbonic anhydrase inhibition with phenolic acids and esters: kinetic and computational investigations. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 8322-8330.	1.5	29
61	Structure and function of carbonic anhydrases. <i>Biochemical Journal</i> , 2016, 473, 2023-2032.	1.7	688
62	Dithiocarbamates with potent inhibitory activity against the <i>Saccharomyces cerevisiae</i> -carbonic anhydrase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 132-136.	2.5	17
63	How many carbonic anhydrase inhibition mechanisms exist?. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 345-360.	2.5	588
64	Sulfonamide inhibition studies of the β -carbonic anhydrase from the Antarctic bacterium <i>Colwellia psychrerythraea</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1253-1259.	1.0	13
65	Synthesis of diverse pyrazole-4-sulfonyl chlorides starting from 2-(benzylthio)malonaldehyde. <i>Molecular Diversity</i> , 2016, 20, 1-7.	2.1	8
66	The history and rationale of using carbonic anhydrase inhibitors in the treatment of peptic ulcers. In memoriam Ioan Pușcaș (1932-2015). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 527-533.	2.5	65
67	A magnificent enzyme superfamily: carbonic anhydrases, their purification and characterization. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 689-694.	2.5	128
68	Synthesis and inhibition potency of novel ureido benzenesulfonamides incorporating GABA as tumor-associated carbonic anhydrase IX and XII inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 205-211.	2.5	15
69	Carbonic anhydrases activation with 3-amino-1H-1,2,4-triazole-1-carboxamides: Discovery of subnanomolar isoform II activators. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1681-1686.	1.4	28
70	Evaluation of selenide, diselenide and selenoheterocycle derivatives as carbonic anhydrase I, II, IV, VII and IX inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2518-2523.	1.4	44
71	Synthesis and human/bacterial carbonic anhydrase inhibition with a series of sulfonamides incorporating phthalimido moieties. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2524-2529.	1.4	25
72	Synthesis of novel acyl selenoureido benzenesulfonamides as carbonic anhydrase I, II, VII and IX inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3567-3573.	1.4	42
73	Probing Molecular Interactions between Human Carbonic Anhydrases (hCAs) and a Novel Class of Benzenesulfonamides. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 4316-4326.	2.9	40

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74	Herbicide oryzalin inhibits human carbonic anhydrases <i>in vitro</i> . Journal of Biochemical and Molecular Toxicology, 2017, 31, e21894.	1.4	4
75	Ligand-Free Pd/Cu-Catalyzed Aminosulfonylation of Aryl Iodides for Direct Sulfonamide Syntheses. Asian Journal of Organic Chemistry, 2017, 6, 1542-1545.	1.3	11
76	Sulfonamide inhibition profiles of the \hat{I}^2 -carbonic anhydrase from the pathogenic bacterium <i>Francisella tularensis</i> responsible of the febrile illness tularemia. Bioorganic and Medicinal Chemistry, 2017, 25, 3555-3561.	1.4	20
77	Synthesis of an acridine orange sulfonamide derivative with potent carbonic anhydrase IX inhibitory action. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 701-706.	2.5	11
78	Synthesis and carbonic anhydrase inhibition of a series of SLC-0111 analogs. Bioorganic and Medicinal Chemistry, 2017, 25, 2569-2576.	1.4	79
79	Benzenesulfonamide bearing imidazothiadiazole and thiazolotriazole scaffolds as potent tumor associated human carbonic anhydrase IX and XII inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 1286-1293.	1.4	36
80	Dithiocarbamates effectively inhibit the \hat{I}^2 -carbonic anhydrase from the dandruff-producing fungus <i>Malassezia globosa</i> . Bioorganic and Medicinal Chemistry, 2017, 25, 1260-1265.	1.4	45
81	Psychoactive substances belonging to the amphetamine class potently activate brain carbonic anhydrase isoforms VA, VB, VII, and XII. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1253-1259.	2.5	33
82	Inhibition of the \hat{I}^2 -carbonic anhydrase from the dandruff-producing fungus <i>Malassezia globosa</i> with monothiocarbamates. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1064-1070.	2.5	33
83	Synthesis and carbonic anhydrase I, II, VII, and IX inhibition studies with a series of benzo[d]thiazole-5- and 6-sulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1071-1078.	2.5	51
84	Synthesis and biological evaluation of histamine Schiff bases as carbonic anhydrase I, II, IV, VII, and IX activators. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 1305-1312.	2.5	52
85	Carbonic anhydrase I, II, IV and IX inhibition with a series of 7-amino-3,4-dihydroquinolin-2(1H)-one derivatives. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 885-892.	2.5	10
86	A class of carbonic anhydrase I "selective activators. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 37-46.	2.5	34
87	Isatin: a privileged scaffold for the design of carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2017, 32, 68-73.	2.5	49
89	Activation studies of the \hat{I}^{\pm} - and \hat{I}^2 -carbonic anhydrases from the pathogenic bacterium <i>Vibrio cholerae</i> with amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 227-233.	2.5	19
90	Design and synthesis of novel 1,3-diaryltriazene-substituted sulfonamides as potent and selective carbonic anhydrase II inhibitors. Bioorganic Chemistry, 2018, 77, 542-547.	2.0	50
91	Sulfonamide inhibition studies of two \hat{I}^2 -carbonic anhydrases from the ascomycete fungus <i>Sordaria macrospora</i> , CAS1 and CAS2. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 390-396.	2.5	10
92	New anticancer drug candidates sulfonamides as selective hCA IX or hCA XII inhibitors. Bioorganic Chemistry, 2018, 77, 411-419.	2.0	99

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93	Natural Products Containing a Nitrogen-Sulfur Bond. <i>Journal of Natural Products</i> , 2018, 81, 423-446.	1.5	109
94	The first activation study of a γ -carbonic anhydrase: TweCA γ from the diatom <i>Thalassiosira weissflogii</i> is effectively activated by amines and amino acids. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 680-685.	2.5	18
95	Discovery of Benzenesulfonamide Derivatives as Carbonic Anhydrase Inhibitors with Effective Anticonvulsant Action: Design, Synthesis, and Pharmacological Evaluation. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 3151-3165.	2.9	27
96	A flexible imprinted photonic resin film templated by nanocrystalline cellulose for naked-eye recognition of sulfonamides. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 58, 172-178.	2.9	11
97	Sulphonamide inhibition studies of the β -carbonic anhydrase from the bacterial pathogen <i>Clostridium perfringens</i> . <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 31-36.	2.5	17
98	Acid-Mediated C-N Bond Cleavage in 1-Sulfonylpyrrolidines: An Efficient Route towards Dibenzoxanthenes, Diarylmethanes, and Resorcinarenes. <i>Synlett</i> , 2018, 29, 467-472.	1.0	11
99	Three steps improving the sensitivity of sulfonamide immunodetection in milk. <i>Analytical Methods</i> , 2018, 10, 5773-5782.	1.3	5
100	Carbonic anhydrase inhibitors as emerging agents for the treatment and imaging of hypoxic tumors. <i>Expert Opinion on Investigational Drugs</i> , 2018, 27, 963-970.	1.9	195
101	Synthesis of different thio-scaffolds bearing sulfonamide with subnanomolar carbonic anhydrase II and IX inhibitory properties and X-ray investigations for their inhibitory mechanism. <i>Bioorganic Chemistry</i> , 2018, 81, 642-648.	2.0	35
102	Carbonic anhydrase inhibitors and their potential in a range of therapeutic areas. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 709-712.	2.4	138
103	Applications of carbonic anhydrases inhibitors in renal and central nervous system diseases. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 713-721.	2.4	97
104	Organoruthenium and Organoosmium Complexes of β -Pyridinecarbothioamides Functionalized with a Sulfonamide Motif: Synthesis, Cytotoxicity and Biomolecule Interactions. <i>ChemPlusChem</i> , 2018, 83, 612-619.	1.3	12
105	Treatment of sleep apnea with a combination of a carbonic anhydrase inhibitor and an aldosterone antagonist: a patent evaluation of CA2958110 and IN6616DEN2012. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 723-727.	2.4	3
106	Sublimation thermodynamics aspects of adamantane and memantine derivatives of sulfonamide molecular crystals. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 19784-19791.	1.3	10
107	Biomedical applications of prokaryotic carbonic anhydrases. <i>Expert Opinion on Therapeutic Patents</i> , 2018, 28, 745-754.	2.4	88
108	Carbonic Anhydrases and Metabolism. <i>Metabolites</i> , 2018, 8, 25.	1.3	164
109	Synthesis and biological evaluation of novel 5-chloro-(4-sulfamoylbenzyl) salicylamide derivatives as tubulin polymerization inhibitors. <i>MedChemComm</i> , 2018, 9, 1511-1528.	3.5	13
110	Recent Advances in the Synthesis of C-S Bonds via Metal-Catalyzed or -Mediated Functionalization of C-H Bonds. <i>Advances in Organometallic Chemistry</i> , 2018, 69, 135-207.	0.5	11

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111	New peptide derived antimalaria and antimicrobial agents bearing sulphonamide moiety. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1388-1399.	2.5	16
112	Advances in the structural annotation of human carbonic anhydrases and impact on future drug discovery. Expert Opinion on Drug Discovery, 2019, 14, 1175-1197.	2.5	123
113	Carbonic anhydrase inhibitors as diuretics. , 2019, , 287-309.		0
114	Biotechnologic applications of carbonic anhydrases from extremophiles. , 2019, , 495-514.		0
115	Anion Inhibition Profile of the \hat{I}^2 -Carbonic Anhydrase from the Opportunist Pathogenic Fungus Malassezia Restricta Involved in Dandruff and Seborrheic Dermatitis. Metabolites, 2019, 9, 147.	1.3	11
116	The first activation study of the \hat{I}^2 -carbonic anhydrases from the pathogenic bacteria Brucella suis and Francisella tularensis with amines and amino acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1178-1185.	2.5	7
117	Synthesis, characterization and biological evaluation of some novel sulfonylthiosemicarbazides. Phosphorus, Sulfur and Silicon and the Related Elements, 2019, 194, 1164-1170.	0.8	3
118	Synthesis and identification of heteroaromatic N-benzyl sulfonamides as potential anticancer agents. Organic and Biomolecular Chemistry, 2019, 17, 8391-8402.	1.5	6
119	Diastereoselective Monofluorocyclopropanation Using Fluoromethylsulfonium Salts. Organic Letters, 2019, 21, 7174-7178.	2.4	22
120	Synthesis and structural features of N-[(2-(trimethylsilyl)oxy)phenyl]-arylsulfonamides. Journal of Molecular Structure, 2019, 1198, 126782.	1.8	2
121	Click-tailed benzenesulfonamides as potent bacterial carbonic anhydrase inhibitors for targeting Mycobacterium tuberculosis and Vibrio cholerae. Bioorganic Chemistry, 2019, 86, 183-186.	2.0	15
122	Appraisal of anti-protozoan activity of nitroaromatic benzenesulfonamides inhibiting carbonic anhydrases from <i>Trypanosoma cruzi</i> and <i>Leishmania donovani</i> . Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1164-1171.	2.5	18
123	Synthesis and biological evaluation of novel 8-substituted quinoline-2-carboxamides as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1172-1177.	2.5	17
124	Synthesis of a new series of 3-functionalised-1-phenyl-1,2,3-triazole sulfamoylbenzamides as carbonic anhydrase I, II, IV and IX inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 1199-1209.	2.5	16
125	3D-QSAR CoMFA Studies on Benzenesulfonamides with Benzimidazole Moieties as Inhibitors of Carbonic Anhydrases XII as Antitumor Agents. Current Enzyme Inhibition, 2019, 15, 69-77.	0.3	1
126	Cloning, Purification, and Characterization of a \hat{I}^2 -Carbonic Anhydrase from Malassezia restricta, an Opportunistic Pathogen Involved in Dandruff and Seborrheic Dermatitis. International Journal of Molecular Sciences, 2019, 20, 2447.	1.8	22
127	Transferring the biorenewable nitrogen present in chitin to several N-functional groups. Sustainable Chemistry and Pharmacy, 2019, 13, 100143.	1.6	18
128	Thermostability enhancement of the \hat{I}^2 -carbonic anhydrase from <i>Sulfurihydrogenibium yellowstonense</i> by using the anchoring-and-self-labelling-protein-tag system (ASL-tag). Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 946-954.	2.5	10

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129	Carbonic Anhydrase Inhibitor-NO Donor Hybrids and Their Pharmacological Applications. , 2019, , 229-242.		6
130	Novel 2-indolinones containing a sulfonamide moiety as selective inhibitors of <i>Candida</i> β -carbonic anhydrase enzyme. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 528-531.	2.5	13
131	Discovery of new ureido benzenesulfonamides incorporating 1,3,5-triazine moieties as carbonic anhydrase I, II, IX and XII inhibitors. Bioorganic and Medicinal Chemistry, 2019, 27, 1588-1594.	1.4	47
132	An Apparent Binary Choice in Biochemistry: Mutual Reactivity Implies Life Chooses Thiols or Nitrogen-Sulfur Bonds, but Not Both. Astrobiology, 2019, 19, 579-613.	1.5	9
133	Antitubulin sulfonamides: The successful combination of an established drug class and a multifaceted target. Medicinal Research Reviews, 2019, 39, 775-830.	5.0	25
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