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DOI: 10.1517/13543776.10.5.575 Expert Opinion on Therapeutic Patents, 2000, 10, 575-600.

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#	Paper	IF	Citations
458	Arylsulfonyl-N,N-diethyl-dithiocarbamates: a novel class of antitumor agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2000</b> , 10, 1887-91	2.9	70
457	Carbonic anhydrase inhibitors: sulfonamides incorporating furan-, thiophene- and pyrrole-carboxamido groups possess strong topical intraocular pressure lowering properties as aqueous suspensions. <b>2000</b> , 8, 2145-55		61
456	4-toluenesulfonylureido derivatives of amines, amino acids and dipeptides: a novel class of potential antitumor agents. <b>2000</b> , 11, 325-32		30
455	Compounds for the treatment of oestrogen-dependent illnesses. <i>Expert Opinion on Therapeutic Patents</i> , <b>2000</b> , 10, 1771-1775	6.8	
454	Antifungal activity of Ag(I) and Zn(II) complexes of aminobenzolamide (5-sulfanilylamido-1,3,4-thiadiazole-2-sulfonamide) derivatives. <b>2000</b> , 15, 517-31		24
453	Carbonic anhydrase and matrix metalloproteinase inhibitors: sulfonylated amino acid hydroxamates with MMP inhibitory properties act as efficient inhibitors of CA isozymes I, II, and IV, and N-hydroxysulfonamides inhibit both these zinc enzymes. <b>2000</b> , 43, 3677-87		202
452	Novel compounds that interact with zinc finger proteins. <i>Expert Opinion on Therapeutic Patents</i> , <b>2000</b> , 10, 1289-1292	6.8	
451	Novel sulphonamide derivatives for the treatment of cancer. <i>Expert Opinion on Therapeutic Patents</i> , <b>2000</b> , 10, 1725-1740	6.8	112
450	Carbonic anhydrase inhibitors: water-soluble 4-sulfamoylphenylthioureas as topical intraocular pressure-lowering agents with long-lasting effects. <b>2000</b> , 43, 4884-92		137
449	Carbonic anhydrase inhibitors: perfluoroalkyl/aryl-substituted derivatives of aromatic/heterocyclic sulfonamides as topical intraocular pressure-lowering agents with prolonged duration of action. <b>2000</b> , 43, 4542-51		128
448	Carbonic anhydrase inhibitors: synthesis and inhibition against isozymes I, II and IV of topically acting antiglaucoma sulfonamides incorporating cis-5-norbornene-endo-3-carboxy-2-carboxamido moieties. <b>2001</b> , 16, 113-23		8
447	Bacterial proteases: current therapeutic use and future prospects for the development of new antibiotics. <i>Expert Opinion on Therapeutic Patents</i> , <b>2001</b> , 11, 221-259	6.8	99
446	Antimycobacterial activity of 3,4-dichlorophenyl-ureas, N,N-diphenyl-ureas and related derivatives. <b>2001</b> , 16, 425-32		14
445	Carbonic Anhydrase Activity Modulators: Synthesis of Inhibitors and Activators Incorporating 2-substituted-thiazol-4-yl-methyl Scaffolds. <b>2001</b> , 16, 351-358		4
444	Carbonic anhydrase inhibitors: synthesis of sulfonamides incorporating dtpa tails and of their zinc complexes with powerful topical antiglaucoma properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 575-82	2.9	106
443	Carbonic anhydrase inhibitors: 4-sulfamoyl-benzenecarboxamides and 4-chloro-3-sulfamoyl-benzenecarboxamides with strong topical antiglaucoma properties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2001</b> , 11, 1787-91	2.9	52
442	Carbonic anhydrase inhibitors: sulfonamides as antitumor agents?. <b>2001</b> , 9, 703-14		225

## (2002-2001)

441	Agents that target cysteine residues of biomolecules and their therapeutic potential. <i>Expert Opinion on Therapeutic Patents</i> , <b>2001</b> , 11, 765-787	6.8	22
440	Carbonic anhydrase inhibitors, interaction of boron derivatives with isozymes I and II: a new binding site for hydrophobic inhibitors at the entrance of the active site as shown by docking studies. <b>2001</b> , 16, 125-33		12
439	Benzophenones as inhibitors of reverse transcriptase. <i>Expert Opinion on Therapeutic Patents</i> , <b>2001</b> , 11, 1637-1640	6.8	
438	Arylsulfonyl-N,N-dialkyl-dithiocarbamates as tumor cell growth inhibitors: novel agents targeting beta-tubulin?. <b>2001</b> , 16, 55-63		9
437	Sulfonamide derivatives with protease inhibitory action as anticancer, anti-inflammatory and antiviral agents. <i>Expert Opinion on Therapeutic Patents</i> , <b>2002</b> , 12, 1307-1327	6.8	46
436	Nonaromatic sulfonamide group as an ideal anchor for potent human carbonic anhydrase inhibitors: role of hydrogen-bonding networks in ligand binding and drug design. <b>2002</b> , 45, 3583-7		144
435	Array-based structure and gene expression relationship study of antitumor sulfonamides including N-[2-[(4-hydroxyphenyl)amino]-3-pyridinyl]-4-methoxybenzenesulfonamide and N-(3-chloro-7-indolyl)-1,4-benzenedisulfonamide. <b>2002</b> , 45, 4913-22		65
434	Applications of carbonic anhydrase inhibitors and activators in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2002</b> , 12, 217-242	6.8	228
433	Carbonic anhydrase activators: design of high affinity isozymes I, II, and IV activators, incorporating tri-/tetrasubstituted-pyridinium-azole moieties. <b>2002</b> , 45, 504-10		68
432	Carbonic anhydrase activators: high affinity isozymes I, II, and IV activators, incorporating a beta-alanyl-histidine scaffold. <b>2002</b> , 45, 284-91		60
431	Carbonic anhydrase inhibitors. A general approach for the preparation of water-soluble sulfonamides incorporating polyamino-polycarboxylate tails and of their metal complexes possessing long-lasting, topical intraocular pressure-lowering properties. <b>2002</b> , 45, 1466-76		127
430	N-Acylsulfonamide apoptosis promoters. Expert Opinion on Therapeutic Patents, 2002, 12, 1571-1573	6.8	
429	Successful virtual screening for novel inhibitors of human carbonic anhydrase: strategy and experimental confirmation. <b>2002</b> , 45, 3588-602		159
428	Cyclodextrin complexes of sulfonamide carbonic anhydrase inhibitors as long-lasting topically acting antiglaucoma agents. <b>2002</b> , 91, 2211-9		13
427	Carbonic anhydrase activators: human isozyme II is strongly activated by oligopeptides incorporating the carboxyterminal sequence of the bicarbonate anion exchanger AE1. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 1177-80	2.9	60
426	QSAR studies on carbonic anhydrase inhibitors: a case of ureido and thioureido derivatives of aromatic/heterocyclic sulfonamides. <b>2002</b> , 10, 2993-9		21
425	The plasma membrane carbonic anhydrase in murine hepatocytes identified as isozyme XIV. <b>2002</b> , 2, 13		32
424	Carbonic anhydrase inhibitors. Preparation of potent sulfonamides inhibitors incorporating bile acid tails. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2002</b> , 12, 1551-7	2.9	18

423	Bile acid derivatives of 5-amino-1,3,4-thiadiazole-2-sulfonamide as new carbonic anhydrase inhibitors: synthesis and investigation of inhibition effects. <b>2002</b> , 10, 2561-7		31
422	Crystal analysis of aromatic sulfonamide binding to native and (Zn)2 adduct of human carbonic anhydrase I Michigan 1. <b>2002</b> , 339, 135-144		9
421	Carbonic anhydrase inhibitors: anticonvulsant sulfonamides incorporating valproyl and other lipophilic moieties. <b>2002</b> , 45, 312-20		129
420	Monoclonal antibodies generated in carbonic anhydrase IX-deficient mice recognize different domains of tumour-associated hypoxia-induced carbonic anhydrase IX. <b>2003</b> , 282, 117-34		68
419	Carbonic anhydrase inhibitors. <b>2003</b> , 23, 146-89		1062
418	Carbonic anhydrase inhibitors: inhibition of cytosolic isozymes I and II with sulfamide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 837-40	2.9	73
417	Carbonic anhydrase inhibitors: SAR and X-ray crystallographic study for the interaction of sugar sulfamates/sulfamides with isozymes I, II and IV. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 841-5	2.9	209
416	Carbonic anhydrase inhibitors: X-ray crystallographic structure of the adduct of human isozyme II with a bis-sulfonamide-two heads are better than one?. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 2759-63	2.9	33
415	Carbonic anhydrase inhibitors: topically acting antiglaucoma sulfonamides incorporating esters and amides of 3- and 4-carboxybenzolamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 2867-73	2.9	30
414	Hydroxyurea is a carbonic anhydrase inhibitor. <b>2003</b> , 11, 2241-6		36
413	Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozyme IX with aromatic and heterocyclic sulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2003</b> , 13, 1005-9	2.9	176
412	Carbonic anhydrase inhibitors. Inhibition of tumor-associated isozyme IX by halogenosulfanilamide and halogenophenylaminobenzolamide derivatives. <b>2003</b> , 46, 2187-96		133
411	Inhibition of carbonic anhydrase II by steroidal and non-steroidal sulphamates. 2003, 305, 909-14		69
410	Carbonic anhydrase inhibitors: inhibition of transmembrane, tumor-associated isozyme IX, and cytosolic isozymes I and II with aliphatic sulfamates. <b>2003</b> , 46, 5471-7		74
409	Carbonic anhydrase inhibitors. Inhibition of cytosolic isozymes I and II and transmembrane, tumor-associated isozyme IX with sulfamates including EMATE also acting as steroid sulfatase inhibitors. <b>2003</b> , 46, 2197-204		134
408	Indisulam: an anticancer sulfonamide in clinical development. <b>2003</b> , 12, 283-7		146
407	Carbonic anhydrase inhibitors in the treatment and prophylaxis of obesity. <i>Expert Opinion on Therapeutic Patents</i> , <b>2003</b> , 13, 1545-1550	6.8	135
406	Carbonic anhydrase inhibitors: X-ray crystallographic structure of the adduct of human isozyme II with the perfluorobenzoyl analogue of methazolamide. Implications for the drug design of fluorinated inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2003</b> , 18, 303-8	5.6	47

405	Expression of carbonic anhydrase IX in mouse tissues. <b>2004</b> , 52, 1313-22		50
404	Carbonic anhydrases: current state of the art, therapeutic applications and future prospects. Journal of Enzyme Inhibition and Medicinal Chemistry, <b>2004</b> , 19, 199-229	5.6	532
403	Carbonic anhydrase inhibitors: E7070, a sulfonamide anticancer agent, potently inhibits cytosolic isozymes I and II, and transmembrane, tumor-associated isozyme IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 217-23	2.9	235
402	Carbonic anhydrase inhibitors: X-ray crystallographic structure of the adduct of human isozyme II with EMATE, a dual inhibitor of carbonic anhydrases and steroid sulfatase. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 231-4	2.9	137
401	Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozyme IX with fluorine-containing sulfonamides. The first subnanomolar CA IX inhibitor discovered. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2351-6	2.9	45
400	Carbonic anhydrase inhibitors. Inhibition of the newly isolated murine isozyme XIII with anions. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5435-9	2.9	42
399	Topological modeling of lipophilicity, diuretic activity, and carbonic inhibition activity of benzene sulfonamides: a molecular connectivity approach. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5661-6	2.9	24
398	Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/tumor-associated carbonic anhydrase isozymes I, II, and IX with sulfonamides derived from 4-isothiocyanato-benzolamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5775-80	2.9	45
397	Carbonic anhydrase inhibitors. Interaction of isozymes I, II, IV, V, and IX with phosphates, carbamoyl phosphate, and the phosphonate antiviral drug foscarnet. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5763-7	2.9	23
396	Carbonic anhydrase inhibitors. Inhibition of the prokariotic beta and gamma-class enzymes from Archaea with sulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 6001-6	2.9	77
395	Experimental and theoretical studies of the dehydration kinetics of two inhibitor-containing half-sandwich cobalt(II) complexes. <b>2004</b> , 208, 83-90		2
394	Carbonic anhydrase inhibitors: aromatic and heterocyclic sulfonamides incorporating adamantyl moieties with strong anticonvulsant activity. <b>2004</b> , 12, 2717-26		82
393	Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/tumor-associated carbonic anhydrase isozymes I, II, and IX with sulfonamides incorporating 1,2,4-triazine moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5427-33	2.9	90
392	Carbonic anhydrase inhibitors: N-(p-sulfamoylphenyl)-alpha-D-glycopyranosylamines as topically acting antiglaucoma agents in hypertensive rabbits. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 225-9	2.9	64
391	Carbonic anhydrase inhibitors: X-ray crystallographic structure of the adduct of human isozyme II with the antipsychotic drug sulpiride. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 337-41	2.9	62
390	Carbonic anhydrase inhibitors: the first selective, membrane-impermeant inhibitors targeting the tumor-associated isozyme IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 869-73	2.9	140
389	Carbonic anhydrase inhibitors: X-ray crystallographic structure of the adduct of human isozyme II with a topically acting antiglaucoma sulfonamide. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 2357-61	2.9	46
388	Carbonic anhydrase inhibitors. Inhibition of cytosolic isozyme XIII with aromatic and heterocyclic sulfonamides: a novel target for the drug design. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 3757-62	2.9	36

387	Carbonic anhydrase inhibitors. Design of anticonvulsant sulfonamides incorporating indane moieties. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2004</b> , 14, 5781-6	2.9	25
386	Spectroscopic properties, catalytic activities and mechanism studies of [(TpPh)Co(X)(CH3OH)m] . nCH3OH: bicarbonate dehydration in the presence of inhibitors. <b>2004</b> , 109, 281-93		2
385	Therapeutic applications of sulfamates. Expert Opinion on Therapeutic Patents, 2004, 14, 1273-1308	6.8	29
384	Carbonic anhydrase inhibitors. Design of selective, membrane-impermeant inhibitors targeting the human tumor-associated isozyme IX. <b>2004</b> , 47, 2337-47		145
383	CARBONATO COMPLEXES: MODELS FOR CARBONIC ANHYDRASE. <b>2004</b> , 55, 127-199		20
382	Unexpected nanomolar inhibition of carbonic anhydrase by COX-2-selective celecoxib: new pharmacological opportunities due to related binding site recognition. <b>2004</b> , 47, 550-7		381
381	Pyridinium cationic lipids in gene delivery: a structure-activity correlation study. <b>2004</b> , 47, 3744-54		81
380	Carbonic anhydrase inhibitors: synthesis and topical intraocular pressure lowering effects of fluorine-containing inhibitors devoid of enhanced reactivity. <b>2004</b> , 47, 2796-804		32
379	Carbonic anhydrase inhibitors. Inhibition of mitochondrial isozyme V with aromatic and heterocyclic sulfonamides. <b>2004</b> , 47, 1272-9		135
378	Modulation of carbonic anhydrase activity and its applications in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2004</b> , 14, 667-702	6.8	148
378 377		6.8	148 46
	Therapeutic Patents, 2004, 14, 667-702  Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library.	6.8	
377	Therapeutic Patents, 2004, 14, 667-702  Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library. 2004, 47, 5224-9  Low-dose acetazolamide reduces the hypoxic ventilatory response in the anesthetized cat. 2004,	6.8	46
377 376	Therapeutic Patents, 2004, 14, 667-702  Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library. 2004, 47, 5224-9  Low-dose acetazolamide reduces the hypoxic ventilatory response in the anesthetized cat. 2004, 140, 43-51  Alternation of cytosolic carbonic anhydrase isoenzymes during deciduomatal development in	6.8	46
377 376 375	Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library. 2004, 47, 5224-9  Low-dose acetazolamide reduces the hypoxic ventilatory response in the anesthetized cat. 2004, 140, 43-51  Alternation of cytosolic carbonic anhydrase isoenzymes during deciduomatal development in pregnant mice. 2004, 82 Suppl 3, 1095-100  Carbonic anhydrase inhibitors. Inhibition of Plasmodium falciparum carbonic anhydrase with	6.8	46 21 2
377 376 375 374	Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library. 2004, 47, 5224-9  Low-dose acetazolamide reduces the hypoxic ventilatory response in the anesthetized cat. 2004, 140, 43-51  Alternation of cytosolic carbonic anhydrase isoenzymes during deciduomatal development in pregnant mice. 2004, 82 Suppl 3, 1095-100  Carbonic anhydrase inhibitors. Inhibition of Plasmodium falciparum carbonic anhydrase with aromatic sulfonamides: towards antimalarials with a novel mechanism of action?. 2005, 13, 483-9  A physically interpretable quantum-theoretic QSAR for some carbonic anhydrase inhibitors with	2.9	46 21 2 75
377 376 375 374 373	Carbonic anhydrase inhibitors: the first on-resin screening of a 4-sulfamoylphenylthiourea library. 2004, 47, 5224-9  Low-dose acetazolamide reduces the hypoxic ventilatory response in the anesthetized cat. 2004, 140, 43-51  Alternation of cytosolic carbonic anhydrase isoenzymes during deciduomatal development in pregnant mice. 2004, 82 Suppl 3, 1095-100  Carbonic anhydrase inhibitors. Inhibition of Plasmodium falciparum carbonic anhydrase with aromatic sulfonamides: towards antimalarials with a novel mechanism of action?. 2005, 13, 483-9  A physically interpretable quantum-theoretic QSAR for some carbonic anhydrase inhibitors with diverse aromatic rings, obtained by a new QSAR procedure. 2005, 13, 2197-211  QSAR study on pK(a) vis-Bvis physiological activity of sulfonamides: a dominating role of surface		46 21 2 75

#### (2006-2005)

369	carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/tumor-associated carbonic anhydrase isozymes I, II, and IX with bis-sulfamates. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 579-84	2.9	41
368	Carbonic anhydrase inhibitors. Inhibition of the human cytosolic isozyme VII with aromatic and heterocyclic sulfonamides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 971-6	2.9	128
367	Carbonic anhydrase inhibitors. Interaction of isozymes I, II, IV, V, and IX with organic phosphates and phosphonates. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 1683-6	2.9	23
366	Carbonic anhydrase inhibitors. Inhibition of isozymes I, II, IV, V and IX with complex fluorides, chlorides and cyanides. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 1909-13	2.9	18
365	Carbonic anhydrase activators: X-ray crystal structure of the adduct of human isozyme II with L-histidine as a platform for the design of stronger activators. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 5136-41	2.9	91
364	Monitor Ethemistry. <b>2005</b> , 10, 672-673		
363	Sulfamates and their therapeutic potential. <b>2005</b> , 25, 186-228		169
362	Carbonic anhydrase inhibitors. Novel sulfanilamide/acetazolamide derivatives obtained by the tail approach and their interaction with the cytosolic isozymes I and II, and the tumor-associated isozyme IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 367-72	2.9	48
361	Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/tumor-associated carbonic anhydrase isozymes I, II, and IX with sulfonamides incorporating thioureido-sulfanilyl scaffolds. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 2359-64	2.9	23
	Carbonic anhydrase inhibitors: novel sulfonamides incorporating 1,3,5-triazine moieties as		
360	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX.  Bioorganic and Medicinal Chemistry Letters, 2005, 15, 3102-8	2.9	129
360 359	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX.		
	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8		
359	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8  Synthesis and Antimicrobial Activity of Some 2(1H)-quinoxalinone-6-sulfonyl Derivatives. <b>2005</b> , 180, 17  Comparison of sulfamate and sulfamide groups for the inhibition of carbonic anhydrase-II by using		711
359 358	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8  Synthesis and Antimicrobial Activity of Some 2(1H)-quinoxalinone-6-sulfonyl Derivatives. <b>2005</b> , 180, 17  Comparison of sulfamate and sulfamide groups for the inhibition of carbonic anhydrase-II by using topiramate as a structural platform. <b>2005</b> , 48, 1941-7  Carbonic anhydrase inhibitors. The mitochondrial isozyme VB as a new target for sulfonamide and		<b>7</b> 11 45
359 358 357	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8  Synthesis and Antimicrobial Activity of Some 2(1H)-quinoxalinone-6-sulfonyl Derivatives. <b>2005</b> , 180, 17  Comparison of sulfamate and sulfamide groups for the inhibition of carbonic anhydrase-II by using topiramate as a structural platform. <b>2005</b> , 48, 1941-7  Carbonic anhydrase inhibitors. The mitochondrial isozyme VB as a new target for sulfonamide and sulfamate inhibitors. <b>2005</b> , 48, 7860-6	95-180	711 45 161
359 358 357 356	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8  Synthesis and Antimicrobial Activity of Some 2(1H)-quinoxalinone-6-sulfonyl Derivatives. <b>2005</b> , 180, 17  Comparison of sulfamate and sulfamide groups for the inhibition of carbonic anhydrase-II by using topiramate as a structural platform. <b>2005</b> , 48, 1941-7  Carbonic anhydrase inhibitors. The mitochondrial isozyme VB as a new target for sulfonamide and sulfamate inhibitors. <b>2005</b> , 48, 7860-6  Profiles of COX-2 inhibitors: present and future. <i>Expert Opinion on Therapeutic Patents</i> , <b>2005</b> , 15, 9-32  Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/membrane-associated carbonic	95-180	7711 45 161 7
359 358 357 356 355	inhibitors of the cytosolic and tumour-associated carbonic anhydrase isozymes I, II and IX. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 3102-8  Synthesis and Antimicrobial Activity of Some 2(1H)-quinoxalinone-6-sulfonyl Derivatives. <b>2005</b> , 180, 17  Comparison of sulfamate and sulfamide groups for the inhibition of carbonic anhydrase-II by using topiramate as a structural platform. <b>2005</b> , 48, 1941-7  Carbonic anhydrase inhibitors. The mitochondrial isozyme VB as a new target for sulfonamide and sulfamate inhibitors. <b>2005</b> , 48, 7860-6  Profiles of COX-2 inhibitors: present and future. <i>Expert Opinion on Therapeutic Patents</i> , <b>2005</b> , 15, 9-32  Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/membrane-associated carbonic anhydrase isozymes I, II, and IX with sulfonamides incorporating hydrazino moieties. <b>2005</b> , 48, 2121-5  In-vitro antibacterial, antifungal and cytotoxic properties of metal-based furanyl derived	95-180	7 161 7

351	Carbonic anhydrase inhibitors. Inhibition of human tumor-associated isozymes IX and cytosolic isozymes I and II with some 1,3,4-oxadiazole-thiols. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2006</b> , 21, 351-9	5.6	7
350	Carbonic anhydrase inhibitors. Selective inhibition of human tumor-associated isozymes IX and XII and cytosolic isozymes I and II with some substituted-2-mercapto-benzenesulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2006</b> , 21, 563-8	5.6	16
349	3D QSAR selectivity analyses of carbonic anhydrase inhibitors: insights for the design of isozyme selective inhibitors. <b>2006</b> , 46, 2737-60		28
348	Indanesulfonamides as carbonic anhydrase inhibitors. Toward structure-based design of selective inhibitors of the tumor-associated isozyme CA IX. <b>2006</b> , 49, 2743-9		54
347	Inhibition of carbonic anhydrase-II by sulfamate and sulfamide groups: an investigation involving direct thermodynamic binding measurements. <b>2006</b> , 49, 3496-500		30
346	Carbonic anhydrase inhibitors and activators and their use in therapy. <i>Expert Opinion on Therapeutic Patents</i> , <b>2006</b> , 16, 1627-1664	6.8	143
345	Carbonic anhydrase inhibitors: inhibition of the cytosolic human isozyme VII with anions. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 3139-43	2.9	26
344	Integrated approach using protein and ligand information to analyze selectivity- and affinity-determining features of carbonic anhydrase isozymes. <b>2006</b> , 1, 839-53		16
343	Therapeutic potential of sulfamides as enzyme inhibitors. <b>2006</b> , 26, 767-92		153
342	The sulfamide motif in the design of enzyme inhibitors. <i>Expert Opinion on Therapeutic Patents</i> , <b>2006</b> , 16, 27-47	6.8	65
341	Synthesis, Antimicrobial and Anti-HIV Activity of Some Novel Benzenesulfonamides Bearing 2,5-Disubstituted-1,3,4-Oxadiazole Moiety. <b>2006</b> , 53, 689-696		21
340	Inhibition profiling of human carbonic anhydrase II by high-throughput screening of structurally diverse, biologically active compounds. <b>2006</b> , 11, 782-91		47
339	Development of a vesicular system for effective ocular delivery of acetazolamide A comprehensive approach and successful venture. <b>2007</b> , 17, 33-41		4
338	The development of topically acting carbonic anhydrase inhibitors as anti-glaucoma agents. <b>2007</b> , 7, 849-54		49
337	Carbonic anhydrases as drug targetsan overview. <b>2007</b> , 7, 825-33		171
336	Antiobesity carbonic anhydrase inhibitors. <b>2007</b> , 7, 879-84		82
335	Synthesis, Anti⊞IV, and Antifungal Activity of New Benzensulfonamides Bearing the 2,5-Disubstituted-1,3,4-Oxadiazole Moiety. <b>2007</b> , 182, 281-298		25
334	Therapeutic applications of the carbonic anhydrase inhibitors. <b>2007</b> , 4, 355-378		25

333	Carbonic anhydrase inhibitors. DNA cloning, characterization, and inhibition studies of the human secretory isoform VI, a new target for sulfonamide and sulfamate inhibitors. <b>2007</b> , 50, 381-8		80
332	Effects of Acetazolamide Combined with or without NaHCO3 on Suppressing Neoplasm Growth, Metastasis and Aquaporin-1 (AQP1) Protein Expression. <i>International Journal of Molecular Sciences</i> , <b>2007</b> , 8, 229-240	6.3	10
331	Saccharin inhibits carbonic anhydrases: possible explanation for its unpleasant metallic aftertaste. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 7697-9	16.4	145
330	Saccharin hemmt Carboanhydrasen: eine möliche Erklöung fölseinen unangenehmen metallischen Nachgeschmack. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 7841-7843	3.6	2
329	The design of inhibitors for medicinally relevant metalloproteins. <b>2007</b> , 2, 152-71		116
328	Synthesis of a new class of 2-anilino substituted nicotinyl arylsulfonylhydrazides as potential anticancer and antibacterial agents. <b>2007</b> , 15, 1004-13		75
327	Carbonic anhydrase and matrix metalloproteinase inhibitors. Inhibition of human tumor-associated isozymes IX and cytosolic isozyme I and II with sulfonylated hydroxamates. <b>2007</b> , 15, 2298-311		43
326	Molecular modeling study for the binding of zonisamide and topiramate to the human mitochondrial carbonic anhydrase isoform VA. <b>2007</b> , 15, 4152-8		34
325	Carbonic anhydrases as targets for medicinal chemistry. <b>2007</b> , 15, 4336-50		462
324	Phosph(on)ate as a zinc-binding group in metalloenzyme inhibitors: X-ray crystal structure of the antiviral drug foscarnet complexed to human carbonic anhydrase I. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2007</b> , 17, 2210-5	2.9	45
323	Application of graph theory: Models for prediction of carbonic anhydrase inhibitory activity of sulfonamides. <b>2007</b> , 42, 925-940		14
322	Carbonic anhydrase inhibitors: binding of indanesulfonamides to the human isoform II. <b>2008</b> , 3, 473-7		10
321	Synthesis of symmetric and dissymetric bisperfluoroalkanesulfonylimides and evaluation of their inhibition on bovine carbonic anhydrase. <b>2008</b> , 19, 542-548		4
320	Synthesis, in vitro antibacterial and carbonic anhydrase II inhibitory activities of N-acylsulfonamides using silica sulfuric acid as an efficient catalyst under both solvent-free and heterogeneous conditions. <b>2008</b> , 16, 5465-72		33
319	Carbonic anhydrase inhibitors. Interaction of 2-(hydrazinocarbonyl)-3-phenyl-1H-indole-5-sulfonamide with 12 mammalian isoforms: kinetic and X-ray crystallographic studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 152-8	2.9	43
318	Carbonic anhydrase inhibitors. Interaction of 2-N,N-dimethylamino-1,3,4-thiadiazole-5-methanesulfonamide with 12 mammalian isoforms: kinetic and X-ray crystallographic studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 999-100	2.9 )5	20
317	Carbonic anhydrase inhibitors as emerging drugs for the treatment of obesity. 2008, 13, 383-92		139
316	Molecular mechanisms of carbonic anhydrase IX-mediated pH regulation under hypoxia. <b>2008</b> , 101 Suppl 4, 8-15		78

315	Metal-based sulfonamides: their preparation, characterization and in-vitro antibacterial, antifungal & cytotoxic properties. X-ray structure of 4-[(2-hydroxybenzylidene) amino] benzenesulfonamide. Journal of Enzyme Inhibition and Medicinal Chemistry, 2008, 23, 120-30	5.6	16
314	Carbonic anhydrase II gene upregulation and tumorigenesis in Lewis lung carcinoma-bearing mice. <b>2008</b> , 1, 9-11		2
313	Robust and systematic drug screening method using chemical arrays and the protein library: identification of novel inhibitors of carbonic anhydrase II. <b>2008</b> , 72, 2739-49		34
312	Inhibition of carbonic anhydrase II by thioxolone: a mechanistic and structural study. <b>2008</b> , 47, 3174-84		47
311	The development of topically acting carbonic anhydrase inhibitors as antiglaucoma agents. <b>2008</b> , 14, 649-54		78
310	Carbonic anhydrase inhibitors. Inhibition of the cytosolic and tumor-associated carbonic anhydrase isozymes I, II and IX with some 1,3,4-oxadiazole- and 1,2,4-triazole-thiols. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2008</b> , 23, 101-7	5.6	19
309	Determination of zinc using carbonic anhydrase-based fluorescence biosensors. <b>2008</b> , 450, 287-309		27
308	In vitro inhibition of cytosolic carbonic anhydrases I and II by some new dihydroxycoumarin compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2008</b> , 23, 32-6	5.6	9
307	Are carbonic anhydrase inhibitors suitable for obtaining antiobesity drugs?. 2008, 14, 655-60		137
306	Drug Design of Antiobesity Carbonic Anhydrase Inhibitors. 241-254		2
305	Carbonic anhydrase inhibitors: inhibition of cytosolic carbonic anhydrase isozymes II and VII with simple aromatic sulfonamides and some azo dyes. <b>2009</b> , 74, 196-202		9
304	Synthesis, characterization and antibacterial activity of new sulfonamide derivatives and their nickel(II), cobalt(II) complexes. <b>2009</b> , 362, 2613-2618		52
303	Spectroscopic study on the interaction of celecoxib with human carbonic anhydrase II: thermodynamic characterization of the binding process. <b>2009</b> , 97, 161-8		21
302	A QSAR study on relationship between structure of sulfonamides and their carbonic anhydrase inhibitory activity using the eigenvalue (EVA) method. <b>2009</b> , 44, 3439-44		4
301	Metal based isatin-derived sulfonamides: their synthesis, characterization, coordination behavior and biological activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2009</b> , 24, 859-70	5.6	7
300	Carbonic Anhydrase Inhibitors Targeting Cancer: Therapeutic, Immunologic, and Diagnostic Tools Targeting Isoforms IX and XII. 193-222		3
299	X-Ray Crystallography of Carbonic Anhydrase Inhibitors and Its Importance in Drug Design. 138-66		10
298	Metal Complexes of Sulfonamides as Dual Carbonic Anhydrase Inhibitors. 439-472		1

### (2011-2010)

297	QSAR analysis of some novel sulfonamides incorporating 1,3,5-triazine derivatives as carbonic anhydrase inhibitors. <b>2010</b> , 19, 1191-1202		10	
296	Synthesis and investigation of inhibition effect of fluorinated sulfonamide derivatives on carbonic anhydrase. <b>2010</b> , 45, 1225-9		16	
295	In vitro anticancer screening and radiosensitizing evaluation of some new quinolines and pyrimido[4,5-b]quinolines bearing a sulfonamide moiety. <b>2010</b> , 45, 3677-84		74	
294	Bidentate Zinc chelators for alpha-carbonic anhydrases that produce a trigonal bipyramidal coordination geometry. <b>2010</b> , 5, 1609-15		24	
293	Chemical and electrochemical oxidative coupling of N,N-dialkyl-p-phenylenediamines and arylsulfinic acids. Synthesis of sulfonamide derivatives. <b>2010</b> , 51, 6447-6450		13	
292	Carbonic anhydrase inhibitors: synthesis and inhibition of the human cytosolic isozymes I and II and transmembrane isozymes IX, XII (cancer-associated) and XIV with 4-substituted 3-pyridinesulfonamides. <b>2010</b> , 45, 2396-404		37	
291	Synthesis and in vitro anticancer screening of some novel 4-[2-amino-3-cyano-4-substituted-5,6,7,8-tetrahydroquinolin-1-(4H)-yl]benzenesulfonamides. <b>2010</b> , 45, 3011-8		40	
290	Muscle channelopathies: does the predicted channel gating pore offer new treatment insights for hypokalaemic periodic paralysis?. <b>2010</b> , 588, 1879-86		43	
289	Search for new and novel chemotherapeutics for the treatment of human malignancies. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2010</b> , 10, 405-35	3.2	19	
288	Site-selective methylation of N(beta)-nosyl hydrazides of N-nosyl protected alpha-amino acids. <b>2010</b> , 75, 3381-6		5	
287	Affinity of sulfamates and sulfamides to carbonic anhydrase II isoform: experimental and molecular modeling approaches. <b>2010</b> , 50, 1113-22		12	
286	Intrinsic proton-donating power of zinc-bound water in a carbonic anhydrase active site model estimated by NMR. <b>2011</b> , 133, 11331-8		26	
285	Synthesis and biological evaluation of some new 2-pyrazolines bearing benzene sulfonamide moiety as potential anti-inflammatory and anti-cancer agents. <b>2011</b> , 46, 5763-8		97	
284	Anticancer and radio-sensitizing evaluation of some new thiazolopyrane and thiazolopyranopyrimidine derivatives bearing a sulfonamide moiety. <b>2011</b> , 46, 5120-6		31	
283	Synthesis and apoptosis inducing ability of new anilino substituted pyrimidine sulfonamides as potential anticancer agents. <b>2011</b> , 46, 5817-24		47	
282	Novel pyrrolidinone and pyrazolo[1,5-a][1,3,5]triazine derivatives bearing a biologically active sulfamoyl moiety as a new class of antitumor agents. <b>2011</b> , 142, 935-941		13	
281	Docking study, in vitro anticancer screening and radiosensitizing evaluation of some new fluorine-containing quinoline and pyrimidoquinoline derivatives bearing a sulfonamide moiety. <b>2011</b> , 20, 388-400		24	
280	In vitro cytotoxic evaluation of some new heterocyclic sulfonamide derivatives. <b>2011</b> , 48, 563-571		11	

279	Synthesis of some new 1,3,5-trisubstituted pyrazolines bearing benzene sulfonamide as anticancer and anti-inflammatory agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2011</b> , 21, 4301-5	78
278	Synthesis and in vitro anticancer evaluation of some novel hexahydroquinoline derivatives having a benzenesulfonamide moiety. <b>2011</b> , 46, 201-7	61
277	4-[(5,5-Dimethyl-3-oxocyclo-hex-1-en-yl)amino]-benzene-sulfonamide. <b>2012</b> , 68, o2370	
276	4-(3-Chloro-2,2-dimethyl-propanamido)-benzene-sulfonamide. <b>2012</b> , 68, o3430	2
275	Nuclease activity and ultrastructural effects of new sulfonamides with anti-leishmanial and trypanocidal activities. <b>2012</b> , 61, 604-13	21
274	Synthesis of some new thiazolopyrane and thiazolopyranopyrimidine derivatives bearing a sulfonamide moiety for evaluation as anticancer and radiosensitizing agents. <b>2012</b> , 21, 2395-2407	20
273	Structural, spectroscopic and voltammetric studies of bis(acetazolamido)bis(aquo)bis(nicotinamide)copper(II). <b>2012</b> , 97, 24-30	5
272	Carbonic anhydrase inhibitors: A quantum mechanical study of interaction between some antiepileptic drugs with active center of carbonic anhydrase enzyme. <b>2012</b> , 992, 59-69	14
271	Dithiocarbamates strongly inhibit carbonic anhydrases and show antiglaucoma action in vivo. <b>2012</b> , 55, 1721-30	195
270	Synthesis and biological evaluation of some novel sulfamoylphenyl-pyridazinone as anti-inflammatory agents (Part-II * ). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2012</b> , 27, 92-6 <sup>5.6</sup>	10
269	Effects of silica nanoparticle supported ionic liquid as additive on thermal reversibility of human carbonic anhydrase II. <b>2012</b> , 51, 933-8	13
268	Carbonic anhydrase inhibitors. Regioselective synthesis of novel series 1-substituted 1,4-dihydro-4-oxo-3-pyridinesulfonamides and their inhibition of the human cytosolic isozymes I and II and transmembrane cancer-associated isozymes IX and XII. <b>2012</b> , 56, 282-91	6
267	Structural characterization of zinc bicarbonate compounds relevant to the mechanism of action of carbonic anhydrase. <b>2012</b> , 3, 2015	42
266	Carbonic Anhydrase Inhibitors and Activators: Small Organic Molecules as Drugs and Prodrugs. <b>2012</b> ,	
265	Novel therapies for glaucoma: a patent review 2007 - 2011. Expert Opinion on Therapeutic Patents, <b>2012</b> , 22, 79-88	104
264	Multiple binding modes of inhibitors to carbonic anhydrases: how to design specific drugs targeting 15 different isoforms?. <b>2012</b> , 112, 4421-68	889
263	Sulfonamides: a patent review (2008 - 2012). Expert Opinion on Therapeutic Patents, <b>2012</b> , 22, 747-58 6.8	167
262	Synthesis and bioevaluation of aryl hydroxamates distinguishing between NAD+ and ATP-dependent DNA ligases. <b>2012</b> , 3, 453	4

## (2013-2012)

261	Novel 4-(4-substituted-thiazol-2-ylamino)-N-(pyridin-2-yl)-benzenesulfonamides as cytotoxic and radiosensitizing agents. <b>2012</b> , 35, 59-68		9
260	Anticancer activity of novel indenopyridine derivatives. <b>2012</b> , 35, 987-94		18
259	Anticancer and radiosensitizing evaluation of some new pyranothiazole-Schiff bases bearing the biologically active sulfonamide moiety. <b>2012</b> , 53, 403-7		27
258	Synthesis and biological evaluation of 4屆ulphonamido and 4屆(4Psulphonamido)benzamide]podophyllotoxins as DNA topoisomerase-II屆nd apoptosis inducing agents. <b>2012</b> , 20, 2054-66		11
257	Conformational analysis, vibrational and NMR spectroscopic study of the methanesulfonamide-N,NP1,2-ethanediylbis. <b>2012</b> , 91, 39-47		23
256	Predicting the protein targets for athletic performance-enhancing substances. <b>2013</b> , 5, 31		11
255	Sulfonamide Molecular Crystals: Structure, Sublimation Thermodynamic Characteristics, Molecular Packing, Hydrogen Bonds Networks. <b>2013</b> , 13, 4002-4016		41
254	Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2013</b> , 13, 70-86	3.2	114
253	Inhibitors of Hydrolyzing Metalloenzymes. <b>2013</b> , 565-598		1
252	Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII. <b>2013</b> , 69, 701-10		31
251	Microwave-assisted synthesis of antimicrobial agents based on pyridazine moiety. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1307-15	5.6	7
250	Selective carbonic anhydrase IX inhibitors based on coumarin scaffold as promising antimetastatic agents: WO2012070024. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 751-6	6.8	13
249	Thermodynamic study of proton transfer in carbonic anhydrase/activator complex: A quantum mechanical approach. <b>2013</b> , 1022, 121-129		5
248	Periplasmic expression of carbonic anhydrase in Escherichia coli: a new biocatalyst for CO(2) hydration. <b>2013</b> , 110, 1865-73		19
247	Antiobesity carbonic anhydrase inhibitors: a literature and patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 725-35	6.8	213
246	Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005 - 2013). <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 681-91	6.8	218
245	Antiglaucoma carbonic anhydrase inhibitors: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2013</b> , 23, 705-16	6.8	232
244	Sulfonamides containing coumarin moieties selectively and potently inhibit carbonic anhydrases II and IX: design, synthesis, inhibitory activity and 3D-QSAR analysis. <b>2013</b> , 66, 1-11		43

243	Novel sulfamides as potential carbonic anhydrase isoenzymes inhibitors. <b>2013</b> , 21, 1379-85		105
242	Synthesis and biological evaluation of 4-arylphthalazones bearing benzenesulfonamide as anti-inflammatory and anti-cancer agents. <i>Archiv Der Pharmazie</i> , <b>2013</b> , 346, 491-8	4.3	3
241	Modified Etasein restores thermal reversibility of human carbonic anhydrase II: the salt bridge mechanism. <b>2013</b> , 60, 298-304		3
240	Effect of acetazolamide on respiratory muscle fatigue in humans. <b>2013</b> , 185, 386-92		13
239	Carbonic anhydrase: Its biocatalytic mechanisms and functional properties for efficient CO2capture process development. <b>2013</b> , 13, 422-431		31
238	Synthesis, antioxidant, and antiacetylcholinesterase activities of sulfonamide derivatives of dopamine-related compounds. <i>Archiv Der Pharmazie</i> , <b>2013</b> , 346, 783-92	4.3	122
237	In vitro and in vivo antileishmanial and trypanocidal studies of new N-benzene- and N-naphthalenesulfonamide derivatives. <b>2013</b> , 56, 8984-98		28
236	Synthesis and anti-inflammatory activity of celecoxib like compounds. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2013</b> , 28, 1105-12	5.6	11
235	Synthesis and Evaluation of New Phthalazine Urea and Thiourea Derivatives as Carbonic Anhydrase Inhibitors. <b>2013</b> , 2013, 1-8		9
234	In vitro inhibition effect of some chalcones on erythrocyte carbonic anhydrase I and II. <b>2013</b> , 41, 384-8		13
234	In vitro inhibition effect of some chalcones on erythrocyte carbonic anhydrase I and II. <b>2013</b> , 41, 384-8  Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14	4.8	13
		4.8	
233	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14  Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , <b>2014</b> ,	, 	116
233	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14  Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 1149-65  Synthesis and in vitro inhibition effect of new pyrido[2,3-d]pyrimidine derivatives on erythrocyte	, 	116
233 232 231	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14  Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 1149-65  Synthesis and in vitro inhibition effect of new pyrido[2,3-d]pyrimidine derivatives on erythrocyte carbonic anhydrase I and II. <b>2014</b> , 2014, 594879  Synthesis and evaluation of pyrazolines bearing benzothiazole as anti-inflammatory agents. <b>2014</b> ,	, 	116 133 11
<ul><li>233</li><li>232</li><li>231</li><li>230</li></ul>	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14  Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 1149-65  Synthesis and in vitro inhibition effect of new pyrido[2,3-d]pyrimidine derivatives on erythrocyte carbonic anhydrase I and II. <b>2014</b> , 2014, 594879  Synthesis and evaluation of pyrazolines bearing benzothiazole as anti-inflammatory agents. <b>2014</b> , 22, 5804-12  Novel metronidazole-sulfonamide derivatives as potent and selective carbonic anhydrase	, 	116 133 11 49
<ul><li>233</li><li>232</li><li>231</li><li>230</li><li>229</li></ul>	Capsaicin: a potent inhibitor of carbonic anhydrase isoenzymes. <i>Molecules</i> , <b>2014</b> , 19, 10103-14  Sulfonamides and their isosters as carbonic anhydrase inhibitors. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 1149-65  Synthesis and in vitro inhibition effect of new pyrido[2,3-d]pyrimidine derivatives on erythrocyte carbonic anhydrase I and II. <b>2014</b> , 2014, 594879  Synthesis and evaluation of pyrazolines bearing benzothiazole as anti-inflammatory agents. <b>2014</b> , 22, 5804-12  Novel metronidazole-sulfonamide derivatives as potent and selective carbonic anhydrase inhibitors: design, synthesis and biology analysis. <b>2014</b> , 4, 33029-33038  Novel sulphamides and sulphonamides incorporating the tetralin scaffold as carbonic anhydrase	4.1	116 133 11 49 10

225	Synthesis and carbonic anhydrase isoenzymes I and II inhibitory effects of novel benzylamine derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 168-74	5.6	49	
224	Carbonic anhydrase inhibitory properties of novel sulfonamide derivatives of aminoindanes and aminotetralins. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 35-42	5.6	92	
223	Organometallic Complexes as Enzyme Inhibitors: A Conceptual Overview. <b>2014</b> , 1-42			
222	In vitro inhibition effect and structure-activity relationships of some saccharin derivatives on erythrocyte carbonic anhydrase I and II. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 118-23	5.6	16	
221	A capillary electrophoresis-based enzyme assay for kinetics and inhibition studies of carbonic anhydrase. <b>2014</b> , 444, 16-21		12	
220	DFT, characterization and investigation of vibrational spectroscopy of 4-(4-hydroxy)-3-(2-pyrazine-2-carbonyl)hydrazonomethylphenyl-diazen-yl-benzenesulfonamide and its copper(II) complex. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1067, 94-103	3.4	6	
219	Carbonic anhydrase inhibitors: Synthesis, molecular docking, cytotoxic and inhibition of the human carbonic anhydrase isoforms I, II, IX, XII with novel benzenesulfonamides incorporating pyrrole, pyrrolopyrimidine and fused pyrrolopyrimidine moieties. <b>2014</b> , 22, 3684-95		44	
218	Synthesis and carbonic anhydrase inhibitory properties of tetrazole- and oxadiazole substituted 1,4-dihydropyrimidinone compounds. <b>2014</b> , 42, 58-62		6	
217	Synthesis of 5-arylidine amino-1,3,4-thiadiazol-2-[(-substituted benzyol)]sulphonamides endowed with potent antioxidants and anticancer activity induces growth inhibition in HEK293, BT474 and NCI-H226 cells. <b>2014</b> , 23, 3049-3064		10	
216	Benzenesulfonamide bearing 1,2,4-triazole scaffolds as potent inhibitors of tumor associated carbonic anhydrase isoforms hCA IX and hCA XII. <b>2014</b> , 22, 1873-82		37	
215	New aromatic/heteroaromatic propanesulfonylhydrazone compounds: synthesis, physical properties and inhibition studies against carbonic anhydrase II (CAII) enzyme. <b>2014</b> , 128, 452-60		22	
214	Synthesis and carbonic anhydrase isoenzymes inhibitory effects of brominated diphenylmethanone and its derivatives. <i>Archiv Der Pharmazie</i> , <b>2014</b> , 347, 354-9	4.3	63	
213	Carbonic anhydrase inhibition by 1-aroyl-3-(4-aminosulfonylphenyl)thioureas. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2014</b> , 29, 901-5	5.6	13	
212	Combining the tail and the ring approaches for obtaining potent and isoform-selective carbonic anhydrase inhibitors: solution and X-ray crystallographic studies. <b>2014</b> , 22, 334-40		86	
211	Thermodynamic aspects of solubility and partitioning processes of some sulfonamides in the solvents modeling biological media. <b>2014</b> , 69, 56-65		20	
210	Carbonic Anhydrase: Mechanism, Regulation, Links to Disease, and Industrial Applications. <i>Sub-Cellular Biochemistry</i> , <b>2014</b> ,	5.5	33	
209	Modulation of the initial mineralization process of SaOS-2 cells by carbonic anhydrase activators and polyphosphate. <b>2014</b> , 94, 495-509		43	
208	Enzymatically synthesized inorganic polymers as morphogenetically active bone scaffolds: application in regenerative medicine. <b>2014</b> , 313, 27-77		42	

207	Characterization, antibacterial, anticarbonic anhydrase II isoenzyme, anticancer, electrochemical and computational studies of sulfonic acid hydrazide derivative and its Cu(II) complex. <b>2014</b> , 423, 194-203	18
206	Novel sulfonamides bearing pyrrole and pyrrolopyrimidine moieties as carbonic anhydrase inhibitors: Synthesis, cytotoxic activity and molecular modeling. <b>2014</b> , 87, 186-96	39
205	Efficient Synthesis, Characterization, and Antibacterial Activity of Novel N-Acylsulfonamides and Sulfonylureas. <b>2014</b> , 189, 1396-1404	11
204	Selective inhibition of human carbonic anhydrases by novel amide derivatives of probenecid: synthesis, biological evaluation and molecular modelling studies. <b>2014</b> , 22, 3982-8	34
203	Synthesis, Characterization, Thermal and Antimicrobial studies of N-substituted Sulfanilamide derivatives. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1060, 280-290	19
202	Carbonic anhydrase inhibitors. Synthesis of a novel series of 5-substituted 2,4-dichlorobenzenesulfonamides and their inhibition of human cytosolic isozymes I and II and the transmembrane tumor-associated isozymes IX and XII. <b>2014</b> , 82, 47-55	15
201	Synthesis and antiproliferative activities of some pyrazole-sulfonamide derivatives. <b>2014</b> , 23, 1278-1289	10
200	Synthesis and antibacterial activity of sulfonamides. SAR and DFT studies. <i>Journal of Molecular Structure</i> , <b>2014</b> , 1074, 180-185	52
199	Biocalcite, a multifunctional inorganic polymer: Building block for calcareous sponge spicules and bioseed for the synthesis of calcium phosphate-based bone. <b>2014</b> , 5, 610-21	18
198	Probing the surface of human carbonic anhydrase for clues towards the design of isoform specific inhibitors. <b>2015</b> , 2015, 453543	66
197	QSAR studies on hydroxamic acids: a fascinating family of chemicals with a wide spectrum of activities. <b>2015</b> , 115, 6427-90	32
196	Docking and Molecular Dynamics Simulation of Carbonic Anhydrase II Inhibitors from Phenolic and Flavonoid Group. <b>2015</b> , 16, 357-364	6
195	Synthesis and antimicrobial activity of novel benzoxazine sulfonamide derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 1643-6	36
194	Monomer spectroscopic analysis and dimer interaction energies on N-(4-methoxybenzoyl)-2-methylbenzenesulfonamide by experimental and theoretical approaches. <b>2015</b> , 142, 169-77	6
193	The impact of hydroquinone on acetylcholine esterase and certain human carbonic anhydrase isoenzymes (hCA I, II, IX, and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 941-6	74
192	Promiscuous 2-aminothiazoles (PrATs): a frequent hitting scaffold. <b>2015</b> , 58, 1205-14	64
191	Ammonium chloride-catalyzed four-component sonochemical synthesis of novel hexahydroquinolines bearing a sulfonamide moiety. <b>2015</b> , 51, 54-64	11
190	NMR studies of active-site properties of human carbonic anhydrase II by using (15) N-labeled 4-methylimidazole as a local probe and histidine hydrogen-bond correlations. <b>2015</b> , 21, 2915-29	16

#### (2015-2015)

189	Synthesis of 3,4-dihydroxypyrrolidine-2,5-dione and 3,5-dihydroxybenzoic acid derivatives and evaluation of the carbonic anhydrase I and II inhibition. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2015</b> , 30, 896-900	5.6	17
188	Synthesis and evaluation of new phthalazine substituted Elactam derivatives as carbonic anhydrase inhibitors. <b>2015</b> , 41, 414-420		16
187	Synthesis, biological evaluation and docking study of maleimide derivatives bearing benzenesulfonamide as selective COX-2 inhibitors and anti-inflammatory agents. <b>2015</b> , 23, 5273-81		28
186	Exploring carbonic anhydrase inhibition with multimeric coumarins displayed on a fullerene scaffold. <b>2015</b> , 13, 7445-51		32
185	Spectroscopic and molecular modeling studies on binding of dorzolamide to bovine and human carbonic anhydrase II. <b>2015</b> , 80, 189-99		21
184	Acetylcholinesterase and carbonic anhydrase isoenzymes I and II inhibition profiles of taxifolin. Journal of Enzyme Inhibition and Medicinal Chemistry, <b>2016</b> , 31, 441-7	5.6	76
183	Conformational Analysis of Topiramate and Related Anion in the Solution and Interaction Between the Most Stable Conformer of Topiramate with Active Center of Carbonic Anhydrase Enzyme. <b>2015</b> , 34, 80-102		5
182	Design, synthesis, and evaluation of NO-donor containing carbonic anhydrase inhibitors to lower intraocular pressure. <b>2015</b> , 58, 2821-33		17
181	Sulfonamide derivatives containing dihydropyrazole moieties selectively and potently inhibit MMP-2/MMP-9: Design, synthesis, inhibitory activity and 3D-QSAR analysis. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2015</b> , 25, 4664-71	2.9	19
180	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. <b>2015</b> , 92, 156-77		100
180 179			164
	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. <b>2015</b> , 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <b>2015</b> , 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human	5.6	
179	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. <b>2015</b> , 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. <b>2015</b> , 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). <i>Journal of Enzyme Inhibition and Medicinal</i>	5.6	164
179 178	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. 2015, 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. 2015, 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 586-91  Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic	5.6	164
179 178 177	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. 2015, 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. 2015, 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 586-91  Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic characteristics, molecular packing, and hydrogen bond networks. 2015, 17, 753-763  Anticancer and radiosensitizing evaluation of novel sulfonamides with quinoline and	5.6	164 105 11
179 178 177	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. 2015, 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. 2015, 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). Journal of Enzyme Inhibition and Medicinal Chemistry, 2015, 30, 586-91  Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic characteristics, molecular packing, and hydrogen bond networks. 2015, 17, 753-763  Anticancer and radiosensitizing evaluation of novel sulfonamides with quinoline and pyrimidoquinoline groups. 2015, 41, 647-661  Are increased salivary carbonic anhydrase VI levels related to the amount of supragingival dental	5.6	164 105 11 2
179 178 177 176	1,3,4-Thiadiazoles: a potent multi targeted pharmacological scaffold. 2015, 92, 156-77  Synthesis and carbonic anhydrase isoenzymes I, II, IX, and XII inhibitory effects of dimethoxybromophenol derivatives incorporating cyclopropane moieties. 2015, 58, 640-50  Carbonic anhydrase inhibitors: guaiacol and catechol derivatives effectively inhibit certain human carbonic anhydrase isoenzymes (hCA I, II, IX and XII). <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 586-91  Adamantane derivatives of sulfonamide molecular crystals: structure, sublimation thermodynamic characteristics, molecular packing, and hydrogen bond networks. 2015, 17, 753-763  Anticancer and radiosensitizing evaluation of novel sulfonamides with quinoline and pyrimidoquinoline groups. 2015, 41, 647-661  Are increased salivary carbonic anhydrase VI levels related to the amount of supragingival dental calculus formation and clinical periodontal scores?. 2015, 10, 123-127  Synthesis and antibacterial activity of N-pyridin-2-ylbenzenesulfonamide nanoparticles. 2015, 36, 10-14	5.6	164 105 11 2

171	Activity of a novel sulfonamide compound 2-nitro-N-(pyridin-2-ylmethyl)benzenesulfonamide against Leishmania donovani. <b>2016</b> , 10, 1753-61		3
170	Ammonium chloride catalyzed synthesis of novel Schiff bases from spiro[indoline-3,4Ppyran]-3Pcarbonitriles and evaluation of their antimicrobial and anti-breast cancer activities. <b>2016</b> , 5, 887		12
169	Synthesis and bioactivity studies on new 4-(3-(4-Substitutedphenyl)-3a,4-dihydro-3H-indeno[1,2-c]pyrazol-2-yl) benzenesulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 1619-24	5.6	100
168	Pyrazolylbenzo[d]imidazoles as new potent and selective inhibitors of carbonic anhydrase isoforms hCA IX and XII. <b>2016</b> , 24, 2907-2913		25
167	Biological evaluation of some new N-(2,6-dimethoxypyrimidinyl) thioureido benzenesulfonamide derivatives as potential antimicrobial and anticancer agents. <b>2016</b> , 124, 299-310		46
166	Structural insight into the inhibition of carbonic anhydrase by the COX-2-selective inhibitor polmacoxib (CG100649). <b>2016</b> , 478, 1-6		12
165	The synthesis of novel pyrazole-3,4-dicarboxamides bearing 5-amino-1,3,4-thiadiazole-2-sulfonamide moiety with effective inhibitory activity against the isoforms of human cytosolic carbonic anhydrase I and II. <b>2016</b> , 68, 64-71		14
164	Mycobacterial carbonic anhydrase inhibition with phenolic acids and esters: kinetic and computational investigations. <b>2016</b> , 14, 8322-30		23
163	Prostaglandins with Carboxylic Functionalities for the Treatment of Glaucoma. <b>2016</b> , 269-279		1
162	Antioxidant Activity, Acetylcholinesterase, and Carbonic Anhydrase Inhibitory Properties of Novel Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954	4.3	108
162 161		4.3	108
	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954	4-3	
161	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954  Glaucoma-Intraocular Pressure Reduction. <b>2017</b> , 242, 181-207  Novel Sulfonamide Derivatives Carrying a Biologically Active 3,4-Dimethoxyphenyl Moiety as	4.3	6
161 160	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954  Glaucoma-Intraocular Pressure Reduction. <b>2017</b> , 242, 181-207  Novel Sulfonamide Derivatives Carrying a Biologically Active 3,4-Dimethoxyphenyl Moiety as VEGFR-2 Inhibitors. <b>2016</b> , 64, 1747-1754  Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and	4.3 5.6	6 5
161 160 159	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954  Glaucoma-Intraocular Pressure Reduction. <b>2017</b> , 242, 181-207  Novel Sulfonamide Derivatives Carrying a Biologically Active 3,4-Dimethoxyphenyl Moiety as VEGFR-2 Inhibitors. <b>2016</b> , 64, 1747-1754  Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <b>2016</b> , 87, 594-607  The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of		6 5 41
161 160 159 158	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954  Glaucoma-Intraocular Pressure Reduction. <b>2017</b> , 242, 181-207  Novel Sulfonamide Derivatives Carrying a Biologically Active 3,4-Dimethoxyphenyl Moiety as VEGFR-2 Inhibitors. <b>2016</b> , 64, 1747-1754  Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <b>2016</b> , 87, 594-607  The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of trimethoxyindane derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 152-7		6 5 41 83
161 160 159 158	Ureas Derived from Phenethylamines. <i>Archiv Der Pharmazie</i> , <b>2016</b> , 349, 944-954  Glaucoma-Intraocular Pressure Reduction. <b>2017</b> , 242, 181-207  Novel Sulfonamide Derivatives Carrying a Biologically Active 3,4-Dimethoxyphenyl Moiety as VEGFR-2 Inhibitors. <b>2016</b> , 64, 1747-1754  Synthesis of 4-[2-(3,4-dimethoxybenzyl)cyclopentyl]-1,2-dimethoxybenzene Derivatives and Evaluations of Their Carbonic Anhydrase Isoenzymes Inhibitory Effects. <b>2016</b> , 87, 594-607  The human carbonic anhydrase isoenzymes I and II (hCA I and II) inhibition effects of trimethoxyindane derivatives. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 152-7  Synthesis and antibacterial activity of new chiral N-sulfamoyloxazolidin-2-ones. <b>2016</b> , 128, 85-91  Synthesis, molecular structure, spectroscopic characterization, NBO, NLO and NPA analysis and in vitro cytotoxicity study of 3-chloro-N-(4-sulfamoylphenethyl)propanamide with experimental and	5.6	6 5 41 83 9

153	Multimeric xanthates as carbonic anhydrase inhibitors. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2016</b> , 31, 946-52	5.6	11
152	Alpha-glucosidase and carbonic anhydrase inhibition studies of Pd(II)-hydrazide complexes. <b>2017</b> , 10, 488-499		26
151	Nickel(II) complex of 4-amino-N-(2-pyrimidinyl)benzenesulfonamide: Synthesis, spectroscopic characterization, antimicrobial activity, crystal structure, and Hirshfeld surface analysis. <b>2017</b> , 47, 234-24	13	2
150	Carbonic anhydrases activation with 3-amino-1H-1,2,4-triazole-1-carboxamides: Discovery of subnanomolar isoform II activators. <b>2017</b> , 25, 1681-1686		23
149	Captopril/enalapril inhibit promiscuous esterase activity of carbonic anhydrase at micromolar concentrations: An in vitro study. <b>2017</b> , 265, 24-35		7
148	One-pot synthesis of symmetrical and unsymmetrical acridine sulfonamide derivatives catalyzed by p-TSA. <b>2017</b> , 43, 4165-4173		8
147	Biocalcite and Carbonic Acid Activators. <b>2017</b> , 55, 221-257		
146	Sulfonamide-containing PTP 1B inhibitors: Docking studies, synthesis and model validation. <b>2017</b> ,		1
145	Synthesis and bioactivity of several new hetaryl sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2017</b> , 32, 137-145	5.6	59
144	Potential biological targets for bioassay development in drug discovery of Sturge-Weber syndrome. <b>2017</b> ,		
143	Design, synthesis and biological evaluation of some novel sulfonamide derivatives as apoptosis inducers. <b>2017</b> , 135, 424-433		23
142	Novel pyrrole derivatives bearing sulfonamide groups: Synthesis in vitro cytotoxicity evaluation, molecular docking and DFT study. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1146, 242-253	3.4	21
141	Carbohydrazones as new class of carbonic anhydrase inhibitors: Synthesis, kinetics, and ligand docking studies. <b>2017</b> , 72, 89-101		20
140	Non-isothermal decomposition of 4-((4-fluoro-3-phenoxy- benzylidene) amino) benzenesulfonamide under oxygen atmosphere. <b>2017</b> , 9-10, 68-79		
139	Dual-tail approach to discovery of novel carbonic anhydrase IX inhibitors by simultaneously matching the hydrophobic and hydrophilic halves of the active site. <b>2017</b> , 132, 1-10		25
138	Sulfonimidamide in medizinischer Chemie und Agrochemie. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 4160-4170	3.6	29
137	Sulfonimidamides in Medicinal and Agricultural Chemistry. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 4100-4109	16.4	85
136	Inhibitory effects of oxytocin and oxytocin receptor antagonist atosiban on the activities of carbonic anhydrase and acetylcholinesterase enzymes in the liver and kidney tissues of rats. <b>2017</b> , 31, e21972		35

135	Investigation of acetylcholinesterase and mammalian DNA topoisomerases, carbonic anhydrase inhibition profiles, and cytotoxic activity of novel bis(\(\text{\text{\text{\text{\text{tem}}}}\) phosphinic acid derivatives against human breast cancer. <b>2017</b> , 31, e21971		36
134	Synthesis and evaluation of novel antibacterial monoazo disperse dyes based on sulfonamide derivatives on polyester. <b>2017</b> , 46, 440-448		3
133	Thermodynamic study on the mechanism of carbonic anhydrase XII inhibition with glycosyl coumarin as non-zinc mediated inhibitors: A quantum mechanical investigation. <b>2017</b> , 1118, 16-25		6
132	1,3-Oxazole-based selective picomolar inhibitors of cytosolic human carbonic anhydrase II alleviate ocular hypertension in rabbits: Potency is supported by X-ray crystallography of two leads. <b>2017</b> , 25, 4560-4565		10
131	Computational evaluation of 2-amino-5-sulphonamido-1,3,4-thiadiazoles as human carbonic anhydrase-IX inhibitors: an insight into the structural requirement for the anticancer activity against HEK 293. <b>2017</b> , 26, 2272-2292		О
130	Structure of 3,5-dimethyl-1-adamantanamine-2,4,6-triisopropylbenzosulphonate salt in the crystal. <b>2017</b> , 58, 615-617		1
129	Synthesis of new dihydropyrrol-2-one derivatives bearing sulfonamide groups and studies their antibacterial activity. <b>2017</b> , 148, 1025-1034		3
128	Carbonic anhydrase inhibitory properties of phenolic sulfonamides derived from dopamine related compounds. <b>2017</b> , 10, 398-402		47
127	Novel Sulfamide-Containing Compounds as Selective Carbonic Anhydrase I Inhibitors. <i>Molecules</i> , <b>2017</b> , 22,	4.8	18
126	Implication of sulfonylurea derivatives as prospective inhibitors of human carbonic anhydrase II. <b>2018</b> , 115, 961-969		8
125	Emerging Roles of Carbonyl Sulfide in Chemical Biology: Sulfide Transporter or Gasotransmitter?. <b>2018</b> , 28, 1516-1532		41
124	Potential biological targets for bioassay development in drug discovery of Sturge-Weber syndrome. <b>2018</b> , 91, 359-369		1
123	Carbonic anhydrase inhibition of Schiff base derivative of imino-methyl-naphthalen-2-ol: Synthesis, structure elucidation, molecular docking, dynamic simulation and density functional theory calculations. <i>Journal of Molecular Structure</i> , <b>2018</b> , 1156, 193-200	3.4	13
122	Silencing of CA1 mRNA in tumour cells does not change the gene expression of the extracellular matrix proteins. <b>2018</b> , 22, 695-699		3
121	Novel benzoyl thioureido benzene sulfonamides as highly potent and selective inhibitors of carbonic anhydrase IX: optimization and bioactive studies. <b>2018</b> , 9, 2100-2105		3
120	Development of a high throughput yeast-based screening assay for human carbonic anhydrase isozyme II inhibitors. <b>2018</b> , 8, 124		7
119	Novel sulfamate derivatives of menthol: Synthesis, characterization, and cholinesterases and carbonic anhydrase enzymes inhibition properties. <i>Archiv Der Pharmazie</i> , <b>2018</b> , 351, e1800209	4.3	28
118	Carbonic anhydrase inhibitors and their potential in a range of therapeutic areas. <i>Expert Opinion on Therapeutic Patents</i> , <b>2018</b> , 28, 709-712	6.8	100

117	Applications of carbonic anhydrases inhibitors in renal and central nervous system diseases. <i>Expert Opinion on Therapeutic Patents</i> , <b>2018</b> , 28, 713-721	.8	81
116	Mechanistic investigation of sulfonamide ligands as human carbonic anhydrase II inhibitors. <b>2018</b> , 120, 1198-1207		11
115	Cancer Drug Development of Carbonic Anhydrase Inhibitors beyond the Active Site. <i>Molecules</i> , <b>2018</b> , 23,	.8	55
114	Sublimation thermodynamics aspects of adamantane and memantine derivatives of sulfonamide molecular crystals. <b>2018</b> , 20, 19784-19791		8
113	Structural and energetic aspects of adamantane and memantine derivatives of sulfonamide molecular crystals: experimental and theoretical characterisation. <b>2018</b> , 20, 3476-3489		14
112	Synthesis of novel dipeptide sulfonamide conjugates with effective carbonic anhydrase I, II, IX, and XII inhibitory properties. <b>2018</b> , 81, 311-318		13
111	In vitro effect of carbonic anhydrase inhibitor acetazolamide on cell viability, migration and colony formation of colorectal cancer cells. <b>2018</b> , 73, 621-628		2
110	Carbonic anhydrase inhibitors as diuretics. <b>2019</b> , 287-309		
109	Design, synthesis, and biological evaluation of novel-substituted sulfonamides: acetamides derivatives as dihydrofolate reductase (DHFR) inhibitors. <b>2019</b> , 13, 91		16
108	Sulfonate and sulfamate derivatives possessing benzofuran or benzothiophene nucleus as potent carbonic anhydrase II/IX/XII inhibitors. <b>2019</b> , 27, 3889-3901		2
107	Additions to N-Sulfinylamines as an Approach for the Metal-free Synthesis of Sulfonimidamides: O-Benzotriazolyl Sulfonimidates as Activated Intermediates. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 19014-19020	6.4	30
106	Carbonic anhydrase inhibitors for the treatment of epilepsy and obesity. <b>2019</b> , 311-329		2
105	Additions to N-Sulfinylamines as an Approach for the Metal-free Synthesis of Sulfonimidamides: O-Benzotriazolyl Sulfonimidates as Activated Intermediates. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 19190-1919	6	9
104	Treatment of glaucoma and ocular hypertension using rho kinase inhibitors: patent evaluation of US2018244666 and US2018256595. <i>Expert Opinion on Therapeutic Patents</i> , <b>2019</b> , 29, 753-759	.8	2
103	The management of glaucoma and macular degeneration. <i>Expert Opinion on Therapeutic Patents</i> , <b>2019</b> , 29, 745-747	.8	23
102	Agents for the prevention and treatment of age-related macular degeneration and macular edema: a literature and patent review. <i>Expert Opinion on Therapeutic Patents</i> , <b>2019</b> , 29, 761-767	.8	28
101	New organotin(IV) chlorides derived from N-(2-hydroxyphenyl)aryloxy sulfamates. Synthesis, characterization and DSC investigation. <b>2019</b> , 131, 1		1
100	pH and male fertility: making sense on pH homeodynamics throughout the male reproductive tract. <b>2019</b> , 76, 3783-3800		17

99	Carbonic anhydrases as disease markers. <i>Expert Opinion on Therapeutic Patents</i> , <b>2019</b> , 29, 509-533 6.8	2	.8
98	Indole-Based Hydrazones Containing A Sulfonamide Moiety as Selective Inhibitors of Tumor-Associated Human Carbonic Anhydrase Isoforms IX and XII. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	9	
97	The Origin of a Coastal Indigenous Horse Breed in China Revealed by Genome-Wide SNP Data. <b>2019</b> , 10,	4	-
96	Silencing of carbonic anhydrase I enhances the malignant potential of exosomes secreted by prostatic tumour cells. <b>2019</b> , 23, 3641-3655	6	
95	Carbonic anhydrases are involved in mitochondrial biogenesis and control the production of lactate by human Sertoli cells. <b>2019</b> , 286, 1393-1406	1	3
94	Discovery of new ureido benzenesulfonamides incorporating 1,3,5-triazine moieties as carbonic anhydrase I, II, IX and XII inhibitors. <b>2019</b> , 27, 1588-1594	3	2
93	Synthesis of sulfonamide, amide and amine hybrid pharmacophore, an entry of new class of carbonic anhydrase II inhibitors and evaluation of chemo-informatics and binding analysis. <b>2019</b> , 86, 624-630	<sub>)</sub> 5	
92	A convenient method for efficient synthesis of isoxazole-containing thiadiazepine derivatives. <b>2019</b> , 55, 1274-1277	C	)
91	Co(II), Ni(II) and Cu(II) ternary complexes with sulfadiazine and dimethylformamide: Synthesis, spectroscopic characterization, crystallographic study and antibacterial activity. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1176, 605-613	1	.0
90	UPLC-QTOF-MS analysis of a carbonic anhydrase-inhibiting extract and fractions of Luffa acutangula (L.) Roxb (ridge gourd). <b>2019</b> , 30, 148-155	8	
89	1-(2-Hydroxy-5-((trimethylsilyl)ethynyl)phenyl)ethanone based ⊞unsaturated derivatives an alternate to non-sulfonamide carbonic anhydrase II inhibitors, synthesis via Sonogashira coupling, binding analysis, Lipinsk rule validation. <b>2019</b> , 84, 170-176	4	
88	Pharmaceutical and medicinal significance of sulfur (S)-Containing motifs for drug discovery: A critical review. <b>2019</b> , 162, 679-734	1	.81
87	Structure-activity relationship of human carbonic anhydrase-II inhibitors: Detailed insight for future development as anti-glaucoma agents. <b>2020</b> , 95, 103557	1	.8
86	Design, synthesis and biological evaluation of carbohydrate-based sulphonamide derivatives as topical antiglaucoma agents through selective inhibition of carbonic anhydrase II. <i>Journal of Enzyme</i> 5.6 <i>Inhibition and Medicinal Chemistry</i> , <b>2020</b> , 35, 383-390	1	1
85	Nanotechnology for Medical and Surgical Glaucoma Therapy-A Review. <b>2020</b> , 37, 155-199	1	9
84	Synthesis and evaluation of 4-(1,3,4-oxadiazol-2-yl)-benzenesulfonamides as potent carbonic anhydrase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2020</b> , 30, 126874	7	
83	Evaluation of Anticancer Activities of Novel Facile Synthesized Calix[n]arene Sulfonamide Analogs. <b>2020</b> , 190, 1484-1497	8	
82	Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation. <i>Journal of Enzyme Inhibition and</i> 5.6 <i>Medicinal Chemistry</i> , <b>2020</b> , 35, 1891-1905	7	

## (2021-2020)

81	Progress in the development of human carbonic anhydrase Inhibitors and their pharmacological applications: Where are we today?. <b>2020</b> , 40, 2485-2565	73
80	The computational quantum mechanical study of sulfamide drug adsorption onto XY fullerene-like nanocages: detailed DFT and QTAIM investigations. <i>Journal of Biomolecular Structure and Dynamics</i> , 3.6 <b>2021</b> , 39, 5427-5437	37
79	Synthesis of new series of thiazol-(2(3H)-ylideneamino)benzenesulfonamide derivatives as carbonic anhydrase inhibitors. <b>2020</b> , 34, e22596	2
78	Design, synthesis and biological evaluation of novel carbohydrate-based sulfonamide derivatives as antitumor agents. <b>2020</b> , 104, 104237	6
77	In Silico Identification and Biological Evaluation of Antioxidant Food Components Endowed with IX and XII CA Inhibition. <b>2020</b> , 9,	2
76	Tailoring of novel biologically active molecules based on N4-substituted sulfonamides bearing thiazole moiety exhibiting unique multi-addressable biological potentials. <b>2020</b> , 13, 5345-5362	2
75	N-Quinary heterocycle-4-sulphamoylbenzamides exert anti-hypoxic effects as dual inhibitors of carbonic anhydrases I/II. <b>2020</b> , 100, 103931	6
74	Design and Synthesis of Sulfonamide-Attached 2-(Isoxazol-3-yl)-1H-imidazoles as Anticancer Agents. <b>2020</b> , 5, 7919-7922	
73	Synthesis and in silico studies of triazene-substituted sulfamerazine derivatives as acetylcholinesterase and carbonic anhydrases inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2000243	11
72	New metal complexes of sulfonamide: Synthesis, characterization, in-vitro anticancer, anticholinesterase, antioxidant, and antibacterial studies. <i>Applied Organometallic Chemistry</i> , <b>2021</b> , 35,	12
71	Recent advances in the medicinal chemistry of carbonic anhydrase inhibitors. <b>2021</b> , 209, 112923	22
70	Synthesis, characterization and biological evaluation of dipicolylamine sulfonamide derivatized platinum complexes as potential anticancer agents <b>2021</b> , 11, 17658-17668	2
69	Anti-breast cancer action of carbonic anhydrase IX inhibitor 4-[4-(4-Benzo[1,3]dioxol-5-ylmethyl-piperazin-1-yl)-benzylidene-hydrazinocarbonyl]-benzenesulfonamid <b>g</b> .6 (BSM-0004): and studies. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2021</b> , 36, 954-963	4
68	Convergent synthesis of carbonic anhydrase inhibiting bi-heterocyclic benzamides: StructureEctivity relationship and mechanistic explorations through enzyme inhibition, kinetics, and computational studies. <b>2021</b> , 58, 1089-1103	1
67	Isoleucine with secondary sulfonamide functionality as anticancer, antibacterial and antifungal agents. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2021</b> , 1-19	1
66	Design and synthesis of benzenesulfonamide-linked imidazo[2,1-b][1,3,4]thiadiazole derivatives as carbonic anhydrase I and II inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100028	2
65	Recent Design and Structure-Activity Relationship Studies on the Modifications of DHFR Inhibitors as Anticancer Agents. <b>2021</b> , 28, 910-939	8
64	3-Functionalised benzenesulphonamide based 1,3,4-oxadiazoles as selective carbonic anhydrase XIII inhibitors: Design, synthesis and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> 2.9  Letters, <b>2021</b> , 37, 127856	1

63	Advances in the discovery of novel agents for the treatment of glaucoma. 2021, 16, 1209-1225		8
62	Crystal Structure and Physicochemical Characteristics of Two Novel Adamantane Derivatives of Sulfonamides. <b>2021</b> , 66, 424-428		
61	Carbonic anhydrase inhibitors suppress seizures in a rat model of birth asphyxia. <b>2021</b> , 62, 1971-1984		1
60	Discovery of pyridine- sulfonamide hybrids as a new scaffold for the development of potential VEGFR-2 inhibitors and apoptosis inducers. <b>2021</b> , 111, 104842		6
59	Biological activity and molecular docking studies of some new quinolines as potent anticancer agents. <b>2021</b> , 38, 84		1
58	Synthesis and biological evaluation of some 1-naphthol derivatives as antioxidants, acetylcholinesterase, and carbonic anhydrase inhibitors. <i>Archiv Der Pharmazie</i> , <b>2021</b> , 354, e2100113	4.3	6
57	Modulating the Efficacy of Carbonic Anhydrase Inhibitors through Fluorine Substitution. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 23068-23082	16.4	4
56	Modulating the Efficacy of Carbonic Anhydrase Inhibitors through Fluorine Substitution. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 23252	3.6	O
55	Antibacterial properties and carbonic anhydrase inhibition profiles of azido sulfonyl carbamate derivatives. <i>Future Medicinal Chemistry</i> , <b>2021</b> , 13, 1285-1299	4.1	1
54	New Carboxamid ligand and its metal complexes containing sulfonamide group: Synthesis, Characterization, DNA cleavage and antimicrobial activity. <i>Erzincan Biversitesi Fen Bilimleri Enstit</i> Dergisi, <b>2021</b> , 14, 724-736	0.2	O
53	Enzymes inhibition profiles and antibacterial activities of benzylidenemalononitrile derivatives. Journal of Molecular Structure, <b>2021</b> , 1239, 130498	3.4	1
52	Cyclodextrin-based formulation of carbonic anhydrase inhibitors for ocular delivery - A review. <i>International Journal of Pharmaceutics</i> , <b>2021</b> , 606, 120955	6.5	7
51	Novel carbohydrate-based sulfonamide derivatives as selective carbonic anhydrase II inhibitors: Synthesis, biological and molecular docking analysis. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2021</b> , 51, 128291	2.9	0
50	Synthesis of and molecular docking studies of azomethine- tethered sulfonamides as carbonic anhydrase II & 15-lipoxygenase inhibitors. <i>Journal of Molecular Structure</i> , <b>2021</b> , 1243, 130821	3.4	3
49	Estacking interactions in new arylsulphonylamine-substituted derivatives of imidazo[2,1-b]thiazol. Journal of Molecular Structure, <b>2022</b> , 1248, 131423	3.4	O
48	Diuretic and Uricosuric Agents. <b>2003</b> , 55-157		1
47	The Chemistry of Hydroxamic Acids. <b>2013</b> , 1-17		3
46	Glaucoma and the applications of carbonic anhydrase inhibitors. Sub-Cellular Biochemistry, 2014, 75, 34	9-559	86

Carbonic Anhydrase I. 2015, 31-49 7 45 Coumarin sulfonamide derivatives: An emerging class of therapeutic agents. Heterocyclic 44 1.7 14 Communications, 2020, 26, 46-59 Ring closing metathesis strategies to isoxazole containing thiadiazepines. French-Ukrainian Journal 0.3  $\circ$ 43 of Chemistry, 2019, 7, 104-112 Pharmacophores Modeling in Terms of Prediction of Theoretical Physicochemical Properties and Verification by EXPERIMENTAL correlations of Carbacylamidophosphates (CAPh) and 42 10 3.2 Sulfanylamidophosphates (SAPh) Tested as New Carbonic Anhydrase Inhibitors. Mini-Reviews in Thermodynamic Studies on the Interaction of Copper Ions with Carbonic Anhydrase. Bulletin of the 8 1.2 41 Korean Chemical Society, 2005, 26, 1051-1056 From structure to recognition principles: mining in crystal data as a prerequisite for drug design. 40 Ernst Schering Research Foundation Workshop, **2003**, 103-26 Mechanisms. 2004, 39 38 Inhibitoren von hydrolytisch spaltenden Metalloenzymen. 2009, 403-425 Schiff Base of Metal Complex Derived from Glycine and Benzaldehyde. Earthline Journal of 37 Chemical Sciences, 105-114 Discovery of novel aminosaccharide-based sulfonamide derivatives as potential carbonic anhydrase 36 2.9 II inhibitors. Bioorganic and Medicinal Chemistry Letters, 2021, 53, 128420 The effect of benzenesulfonamide® side chains on their human carbonic anhydrase I/II inhibitory 35 3.4 activities. Journal of Molecular Structure, 2021, 131927 Carbonic Anhydrase as CO2 capturing agent: its Classes and Catalytic Mechanisms. International 0.5 34 Journal of Mathematics and Computers in Simulation, 2021, 15, 102-106 Commikuanoids A-C: New cycloartane triterpenoids with exploration of carbonic anhydrase-II inhibition from the resins of Commiphora kua by in vitro and in silico molecular docking.. Floterapl 33 3.2 1 , 2022, 157, 105125 Genotoxicity evaluation of a new phthalazine substituted Elactam derivative in human 32 1.4 lymphocytes.. Anais Da Academia Brasileira De Ciencias, 2022, 94, e20191476 Identification of Novel and Potent Indole-Based Benzenesulfonamides as Selective Human Carbonic Anhydrase II Inhibitors: Design, Synthesis, In Vitro, and In Silico Studies.. International 6.3 1 31 Journal of Molecular Sciences, 2022, 23, 4-Anilinoquinazoline-based benzenesulfonamides as nanomolar inhibitors of carbonic anhydrase 30 isoforms I, II, IX, and XII: design, synthesis, , and biological studies.. Journal of Enzyme Inhibition and 5.6 Medicinal Chemistry, 2022, 37, 994-1004 A versatile study of novel A3B-type unsymmetric zinc(II) phthalocyanines containing thiazolidin-4-one: Their, carbonic anhydrase I, II isoenzymes, and xanthine oxidase inhibitors 29 3.4 Ο evaluation. Journal of Molecular Structure, 2022, 1257, 132630 Novel N-acylsulfamoyl-oxazolidin-2ones: Synthesis, antitumor activity, X-ray crystallographic study, 28 3.4 molecular docking and POM analyses. Journal of Molecular Structure, 2022, 1262, 132935

27	Design and Synthesis of Some New N-Phenyl-[1,2,4]triazolo[4,3-a]quinoxaline-1-sulfonamide Derivatives and Their Anti-Cancer Activity. <i>Russian Journal of General Chemistry</i> , <b>2021</b> , 91, 2280-2285	0.7	
26	Synthesis of novel hybrid pharmacophore of N-((4-sulfamoylphenyl)carbamothioyl)alkanamides as potent carbonic anhydrase-II and 15-lipoxygenase inhibitors <i>Drug Development Research</i> , <b>2021</b> ,	5.1	О
25	Some characteristics of new and innovative COX inhibitor derivatives: Potent hCA-I and hCA-II inhibitors supported by molecular docking studies. <i>Applied Organometallic Chemistry</i> , <b>2022</b> , 36,	3.1	1
24	In silico, in vitro, and in vivo human metabolism of acetazolamide, a carbonic anhydrase inhibitor and common "diuretic and masking agent" in doping <i>Archives of Toxicology</i> , <b>2022</b> , 1	5.8	О
23	Carbonic Anhydrase Activators for Neurodegeneration: An Overview <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
22	Synthesis, structural characterizations and cytotoxic activities of new sulfonamide-based Schiff base derivatives <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2022</b> , 1-7	3.6	1
21	Synthesis and Characterization of Novel Hybrid Sulfonamide Molecules with Benzothiazole Scaffold. <i>Journal of the Institute of Science and Technology</i> , 899-907	O	0
20	Synthesis, structural determination, molecular docking and biological activity of 1-(4-fluorobenzyl)-5-bromolindolin-2,3-dione. <i>Journal of Molecular Structure</i> , <b>2022</b> , 1265, 133342	3.4	O
19	Evaluation of Some Sulfonamide Derivatives as a Potential Inhibitors of The Carbonic Anhydrase IX/XII by ADME and Molecular Docking Method. <i>Adyaman University Journal of Science</i> ,	0.5	
18	In Vitro Inhibition Profiles and Molecular Docking Analysis of Benzohydrazide Derivatives on Red Blood Cell Carbonic Anhydrases Isozymes. <b>2022</b> , 18,		
17	Identification of Potential Diuretic and Laxative Drug Candidates from Avicennia officinalis L. Bark through In Vivo Mice Model Studies and In Vitro Gas Chromatography-Mass Spectrometry and Molecular Docking Analysis. <b>2022</b> , 2022, 1-14		0
16	Quantification of Carbonic Anhydrase Inhibitors and Metabolites in Urine and Hair of Patients and Their Relatives. <b>2022</b> , 11, 1379		О
15	Efficient Synthesis with Green Chemistry Approach of Novel Pharmacophores of Imidazole-Based Hybrids for Tumor Treatment: Mechanistic Insights from In Situ to In Silico. <b>2022</b> , 14, 5079		0
14	Tail approach synthesis of triazolylthiazolotriazole bearing benzenesulfonamides as carbonic anhydrase inhibitors capable of inducing apoptosis.		O
13	Synthesis, in silico and in vitro evaluation of new 3,5-disubstituted-1,2,4-oxadiazole derivatives as carbonic anhydrase inhibitors and cytotoxic agents. <b>2023</b> , 1276, 134699		0
12	Ratiometric Zinc Biosensor Based on Bioluminescence Resonance Energy Transfer: Trace Metal Ion Determination with Tunable Response. <b>2022</b> , 23, 14936		1
11	Mitochondrial carbonic anhydrase VA and VB: properties and roles in health and disease.		1
10	Synthesis, Biological Evaluation, and Molecular Dynamics of Carbothioamides Derivatives as Carbonic Anhydrase II and 15-Lipoxygenase Inhibitors. <b>2022</b> , 27, 8723		О

#### CITATION REPORT

9	New isoxazolidinyl-based N-alkylethanolamines as new activators of human brain carbonic anhydrases. <b>2023</b> , 38,	0
8	3D-QSAR, E-pharmacophore and molecular docking to explore substituted sulfonamides as carbonic anhydrase inhibitors in epilepsy. <b>2022</b> , 5521-5528	O
7	Synthesis, enzyme inhibition, and molecular docking studies of a novel chalcone series bearing benzothiazole scaffold.	0
6	Carboxylate- and Sulfonate-Containing Quinazolin-4(3H)-one Rings: Synthesis, Characterization, and Carbonic Anhydrase III and Acetylcholinesterase Inhibition Properties. <b>2023</b> , 8,	1
5	Potent carbonic anhydrase I, II, IX and XII inhibition activity of novel primary benzenesulfonamides incorporating bis-ureido moieties. <b>2023</b> , 38,	0
4	New sulfa drug derivatives and their zinc(II) complexes: synthesis, spectroscopic properties and in vitro cytotoxic activities. 1-14	0
3	New Sulfur-Containing Diketopiperazine from Marine-Derived Bacteria Streptomyces rochei sp. 81 with Potent Carbonic Anhydrase II Inhibition.	0
2	Structural and theoretical study of Estacking interactions in new complexes based on CuCl2 and 3-sulfonamide-substituted imidazo[2,1-b]thiazoles. <b>2023</b> , 29,	O
1	Advances in the discovery of novel agents for the treatment of glaucoma: The role of nitric oxide donors. <b>2023</b> , 305-317	0