# Multitargeting approaches involving carbonic anhydras variety of disorders

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Citation Report

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Discovery of 2,4-thiazolidinedione-tethered coumarins as novel selective inhibitors for carbonic anhydrase IX and XII isoforms. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 531-541. | 5.2 | 15 |
| 2 | Coumarins inhibit Î-class carbonic anhydrase from Plasmodium falciparum. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 680-685. | 5.2 | 8 |
| 3 | Carbonic anhydrase inhibitors: an update on experimental agents for the treatment and imaging of hypoxic tumors. Expert Opinion on Investigational Drugs, 2021, 30, 1197-1208. | 4.1 | 61 |
| 4 | 2-Aminobenzoxazole-appended coumarins as potent and selective inhibitors of tumour-associated carbonic anhydrases. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 168-177. | 5.2 | 11 |
| 5 | Isocoumarins: a new class of selective carbonic anhydrase IX and XII inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 743-748. | 5.2 | 13 |
| 6 | A Series of Thiadiazolylâ€Benzenesulfonamides Incorporating an Aromatic Tail as Isoformâ€Selective, Potent Carbonic Anhydrase II/XII Inhibitors. ChemMedChem, 2022, , e202200056. | 3.2 | 4 |
| 7 | 1,5â€Benzodiazepines as a platform for the design of carbonic anhydrase inhibitors. Archiv Der Pharmazie, 2022, 355, 2100405. | 4.1 | 3 |
| 8 | Targeting carbonic anhydrase IX and XII isoforms with small molecule inhibitors and monoclonal antibodies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 1278-1298. | 5.2 | 36 |
| 9 | Synthesis and biological evaluation of sulfonamideâ€based compounds as inhibitors of carbonic anhydrase from Vibrio cholerae. Archiv Der Pharmazie, 2022, 355, . | 4.1 | 3 |
| 10 | Sulfonamide-Derived Dithiocarbamate Gold(I) Complexes Induce the Apoptosis of Colon Cancer Cells by the Activation of Caspase 3 and Redox Imbalance. Biomedicines, 2022, 10, 1437. | 3.2 | 2 |
| 11 | Squaramide-Tethered Sulfonamides and Coumarins: Synthesis, Inhibition of Tumor-Associated CAs IX and XII and Docking Simulations. International Journal of Molecular Sciences, 2022, 23, 7685. | 4.1 | 9 |
| 12 | Novel Insights on Human Carbonic Anhydrase Inhibitors Based on Coumalic Acid: Design, Synthesis, Molecular Modeling Investigation, and Biological Studies. International Journal of Molecular Sciences, 2022, 23, 7950. | 4.1 | 10 |
| 13 | Discovery of novel drugs for Chagas disease: is carbonic anhydrase a target for antiprotozoal drugs?. Expert Opinion on Drug Discovery, 2022, 17, 1147-1158. | 5.0 | 2 |
| 14 | Epileptic Targets and Drugs: A Mini-Review. Current Drug Targets, 2023, 24, 212-224. | 2.1 | 1 |
| 15 | Dependence on linkersâ€™ flexibility designed for benzenesulfonamides targeting discovery of novel hCA IX inhibitors as potent anticancer agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2022, 37, 2765-2785. | 5.2 | 9 |
| 16 | Structureâ€guided identification of a selective sulfonamideâ€based inhibitor targeting the human carbonic anhydrase VA isoform. Archiv Der Pharmazie, 2023, 356, . | 4.1 | 2 |
| 17 | Design, synthesis, biological evaluation and crystal structure determination of dual modulators of carbonic anhydrases and estrogen receptors. European Journal of Medicinal Chemistry, 2023, 246, 115011. | 5.5 | 3 |
| 18 | Investigation of novel alkyl/benzyl (4-sulphamoylphenyl)carbamimidothioates as carbonic anhydrase inhibitors. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, . | 5.2 | 6 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sulphonamide inhibition studies of the Î²-carbonic anhydrase GsaCAÎ² present in the salmon platyhelminth parasite Gyrodactylus salaris. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, . | 5.2 | 2 |
| 20 | Click chemistry approaches for developing carbonic anhydrase inhibitors and their applications. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, . | 5.2 | 13 |
| 21 | Small Structural Differences Govern the Carbonic Anhydrase II Inhibition Activity of Cytotoxic Triterpene Acetazolamide Conjugates. Molecules, 2023, 28, 1009. | 3.8 | 5 |
| 22 | Novel Insights on CAIâ€“CORM Hybrids: Evaluation of the CO Releasing Properties and Pain-Relieving Activity of Differently Substituted Coumarins for the Treatment of Rheumatoid Arthritis. Journal of Medicinal Chemistry, 2023, 66, 1892-1908. | 6.4 | 5 |
| 23 | 4-(5-Amino-pyrazol-1-yl)benzenesulfonamide derivatives as novel multi-target anti-inflammatory agents endowed with inhibitory activity against COX-2, 5-LOX and carbonic anhydrase: Design, synthesis, and biological assessments. European Journal of Medicinal Chemistry, 2023, 250, 115180. | 5.5 | 13 |
| 24 | Coumarin and Piperazine Conjugates as Selective Inhibitors of the Tumor-associated Carbonic Anhydrase IX and XII Isoforms. Anti-Cancer Agents in Medicinal Chemistry, 2023, 23, 1184-1191. | 1.7 | 3 |
| 25 | Diversely N-substituted benzenesulfonamides dissimilarly bind to human carbonic anhydrases: crystallographic investigations of N-nitrosulfonamides. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, . | 5.2 | 1 |
| 26 | Identification of new 4-(6-oxopyridazin-1-yl)benzenesulfonamides as multi-target anti-inflammatory agents targeting carbonic anhydrase, COX-2 and 5-LOX enzymes: synthesis, biological evaluations and modelling insights. Journal of Enzyme Inhibition and Medicinal Chemistry, 2023, 38, . | 5.2 | 3 |
| 27 | Escinosome thermosensitive gel optimizes efficacy of CAI-CORM in a rat model of rheumatoid arthritis. Journal of Controlled Release, 2023, 358, 171-189. | 9.9 | 1 |
| 28 | Targeting carbonic anhydrases for the management of hypoxic metastatic tumors. Expert Opinion on Therapeutic Patents, 2023, 33, 701-720. | 5.0 | 4 |
| 29 | Erlotinib-containing benzenesulfonamides as anti-Helicobacter pylori agents through carbonic anhydrase inhibition. Future Medicinal Chemistry, 2023, 15, 1865-1883. | 2.3 | 2 |
| 30 | Lupane acetates in small molecule drug hybrids: Probing their inhibitory activity for carbonic anhydrase II. European Journal of Medicinal Chemistry Reports, 2024, 10, 100139. | 1.4 | 0 |
| 31 | Dual Inhibitors of Brain Carbonic Anhydrases and Monoamine Oxidase-B Efficiently Protect against Amyloid-Î²-Induced Neuronal Toxicity, Oxidative Stress, and Mitochondrial Dysfunction. Journal of Medicinal Chemistry, 2024, 67, 4170-4193. | 6.4 | 0 |
| 32 | Explainable artificial intelligence in the design of selective carbonic anhydrase <scp>Iâ€Ⅱ</scp> inhibitors via molecular fingerprinting. Journal of Computational Chemistry, 0, , . | 3.3 | 0 |