Structural and dynamic insights into substrate binding prostaglandin D synthase

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Citation Report

#	Article	IF	Citations
1	Fineâ€tuned broad binding capability of human lipocalinâ€type prostaglandin D synthase for various small lipophilic ligands. FEBS Letters, 2014, 588, 962-969.	1.3	16
2	High-resolution structures of mutants of residues that affect access to the ligand-binding cavity of human lipocalin-type prostaglandin D synthase. Acta Crystallographica Section D: Biological Crystallography, 2014, 70, 2125-2138.	2.5	5
3	The Menagerie of Human Lipocalins: A Natural Protein Scaffold for Molecular Recognition of Physiological Compounds. Accounts of Chemical Research, 2015, 48, 976-985.	7.6	79
4	Substrate prediction of Ixodes ricinus salivary lipocalins differentially expressed during Borrelia afzelii infection. Scientific Reports, 2016, 6, 32372.	1.6	29
5	Comprehensive Evaluation of the Binding of Lipocalin-Type Prostaglandin D Synthase to Poorly Water-Soluble Drugs. Molecular Pharmaceutics, 2017, 14, 3558-3567.	2.3	9
6	Functional Analogy in Human Metabolism: Enzymes with Different Biological Roles or Functional Redundancy?. Genome Biology and Evolution, 2017, 9, 1624-1636.	1.1	10
7	Lipocalinâ€Type Prostaglandin D Synthase Is a Novel Phytocannabinoidâ€Binding Protein. Lipids, 2018, 53, 353-360.	0.7	6
8	Abundant neuroprotective chaperone Lipocalin-type prostaglandin D synthase (L-PGDS) disassembles the Amyloid-Î² fibrils. Scientific Reports, 2019, 9, 12579.	1.6	31
9	Anticholinergic Drugs Interact With Neuroprotective Chaperone L-PGDS and Modulate Cytotoxicity of Aî² Amyloids. Frontiers in Pharmacology, 2020, 11, 862.	1.6	4
10	Small angle X-ray scattering analysis of ligand-bound forms of tetrameric apolipoprotein-D. Bioscience Reports, 2021, 41, .	1.1	2
11	Molecular mechanisms of amyloid disaggregation. Journal of Advanced Research, 2022, 36, 113-132.	4.4	14
12	Lipocalinâ€Type Prostaglandin <scp>d</scp> Synthase Conjugates as Magnetic Resonance Imaging Contrast Agents for Detecting Amyloid Î²â€Rich Regions in the Brain of Live Alzheimer's Disease Mice. Advanced NanoBiomed Research, 2021, 1, 2100019.	1.7	4
13	Substrate-induced product-release mechanism of lipocalin-type prostaglandin D synthase. Biochemical and Biophysical Research Communications, 2021, 569, 66-71.	1.0	3
14	Amyloid Î² chaperone â€" lipocalin-type prostaglandin D synthase acts as a peroxidase in the presence of heme. Biochemical Journal, 2020, 477, 1227-1240.	1.7	8
22	Enzyme-Catalyzed Spiroacetal Formation in Polyketide Antibiotic Biosynthesis. Journal of the American Chemical Society, 2022, 144, 14555-14563.	6.6	2
23	Release of frustration drives corneal amyloid disaggregation by brain chaperone. Communications Biology, 2023, 6, .	2.0	0
24	Structural and interaction analysis of human lipocalinâ€type prostaglandin D synthase with the poorly waterâ€soluble drug <scp>NBQX</scp>. FEBS Journal, 2023, 290, 3983-3996.	2.2	0