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Phosphorylation increases affinity of the phosphodiesterase-5 catalytic site for tadalafil

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Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 62-8.

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#	Paper	IF	Citations
18	Allosteric-site and catalytic-site ligand effects on PDE5 functions are associated with distinct changes in physical form of the enzyme. <i>Cellular Signalling</i> , 2009 , 21, 1768-74	4.9	18
17	Cyclic GMP-hydrolyzing phosphodiesterases. <i>Handbook of Experimental Pharmacology</i> , 2009 , 367-408	3.2	28
16	cGMP: Generators, Effectors and Therapeutic Implications. <i>Handbook of Experimental Pharmacology</i> , 2009 ,	3.2	13
15	Phosphodiesterase 5 Inhibitors to Treat Erectile Dysfunction. 2010 , 135-172		
14	cGMP-dependent protein kinases and cGMP phosphodiesterases in nitric oxide and cGMP action. <i>Pharmacological Reviews</i> , 2010 , 62, 525-63	22.5	677
13	Phosphodiesterase inhibitors: factors that influence potency, selectivity, and action. <i>Handbook of Experimental Pharmacology</i> , 2011 , 47-84	3.2	41
12	Differential regulation of PDE5 expression in left and right ventricles of feline hypertrophy models. <i>PLoS ONE</i> , 2011 , 6, e19922	3.7	9
11	Metal ion stimulators of PDE5 cause similar conformational changes in the enzyme as does cGMP or sildenafil. <i>Cellular Signalling</i> , 2011 , 23, 778-84	4.9	4
10	Conformational conversion of PDE5 by incubation with sildenafil or metal ion is accompanied by stimulation of allosteric cGMP binding. <i>Cellular Signalling</i> , 2011 , 23, 1578-83	4.9	5
9	Bis-halogen-anthraniloyl-substituted nucleoside 5' triphosphates as potent and selective inhibitors of Bordetella pertussis adenyl cyclase toxin. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 336, 104-15	4.7	21
8	Mammalian cyclic nucleotide phosphodiesterases: molecular mechanisms and physiological functions. <i>Physiological Reviews</i> , 2011 , 91, 651-90	47.9	443
7	The upstream conserved regions (UCRs) mediate homo- and hetero-oligomerization of type 4 cyclic nucleotide phosphodiesterases (PDE4s). <i>Biochemical Journal</i> , 2014 , 459, 539-50	3.8	20
6	Phosphodiesterases and Cyclic Nucleotide Signaling In The CNS. 2014 , 1-46		2
5	Survey of phosphorylation near drug binding sites in the Protein Data Bank (PDB) and their effects. <i>Proteins: Structure, Function and Bioinformatics</i> , 2015 , 83, 25-36	4.2	13
4	Eukaryotic-Type Ser/Thr Protein Kinase Mediated Phosphorylation of Mycobacterial Phosphodiesterase Affects its Localization to the Cell Wall. <i>Frontiers in Microbiology</i> , 2016 , 7, 123	5.7	4
3	2-AMINOETHYLDIPHENYLBORINATE MODIFIES THE PULMONARY CIRCULATION IN PULMONARY HYPERTENSIVE NEWBORN LAMBS WITH PARTIAL GESTATION AT HIGH ALTITUDE. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016 , 311, L788-L799	5.8	10
2	Phosphodiesterase 5 (PDE5): Structure-function regulation and therapeutic applications of inhibitors. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 134, 111128	7.5	15

1 cGK substrates. *Handbook of Experimental Pharmacology*, **2009**, 163-93

3.2 38