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PDE5 inhibitors and their applications

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Current Medicinal Chemistry, 2010, 17, 2564-87.

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#	Paper	IF	Citations
24	Mechanisms of penile erection and basis for pharmacological treatment of erectile dysfunction. <i>Pharmacological Reviews</i> , 2011 , 63, 811-59	22.5	213
23	Novel phosphodiesterase type 5 modulators: a patent survey (2008 - 2010). <i>Expert Opinion on Therapeutic Patents</i> , 2011 , 21, 1631-41	6.8	19
22	Phosphodiesterase inhibitors. Part 1: Synthesis and structure-activity relationships of pyrazolopyridine-pyridazinone PDE inhibitors developed from ibudilast. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 3307-12	2.9	21
21	Current and future therapies of erectile dysfunction in neurological disorders. <i>Recent Patents on CNS Drug Discovery</i> , 2011 , 6, 48-64		12
20	cAMP-Specific Phosphodiesterases: Modulation, Inhibition, and Activation. 2012 , 1-35		1
19	Phenotypic In Vivo Screening to Identify New, Unpredicted Indications for Existing Drugs and Drug Candidates. 2012 , 253-290		6
18	Synthesis and Spectroscopic Analysis of Novel 1H-Benzo[d]imidazoles Phenyl Sulfonylpiperazines. <i>Pharmaceuticals</i> , 2012 , 5, 460-8	5.2	2
17	Arterial erectile dysfunction: different severities of endothelial apoptosis between diabetic patients "responders" and "non responders" to sildenafil. <i>European Journal of Internal Medicine</i> , 2013 , 24, 234-40	3.9	19
16	Efficient synthesis of dichlorodenafil, an unapproved sildenafil analogue appearing in non-prescription supplements. <i>Chemical and Pharmaceutical Bulletin</i> , 2013 , 61, 572-5	1.9	2
15	Recent advances in the treatment of neurogenic erectile dysfunction. <i>Recent Patents on CNS Drug Discovery</i> , 2014 , 9, 41-53		8
14	Toward a New Generation of PDE5 Inhibitors through Advances in Medicinal Chemistry. <i>Methods and Principles in Medicinal Chemistry</i> , 2014 , 9-28	0.4	
13	Evaluation of PET radioligands for in vivo visualization of phosphodiesterase 5 (PDE5). <i>Nuclear Medicine and Biology</i> , 2014 , 41, 155-62	2.1	14
12	Comparison of the effects of systemic sildenafil, tadalafil, and vardenafil treatments on skin flap survival in rats. <i>Journal of Plastic Surgery and Hand Surgery</i> , 2015 , 49, 358-62	1.5	10
11	Sildenafil (Viagra [®]) blocks inflammatory injury in LPS-induced mouse abortion: A potential prophylactic treatment against acute pregnancy loss?. <i>Placenta</i> , 2015 , 36, 1122-9	3.4	10
10	Novel Radioligands for Cyclic Nucleotide Phosphodiesterase Imaging with Positron Emission Tomography: An Update on Developments Since 2012. <i>Molecules</i> , 2016 , 21,	4.8	15
9	Synthesis and in vitro evaluation of new fluorinated quinoline derivatives with high affinity for PDE5: Towards the development of new PET neuroimaging probes. <i>European Journal of Medicinal Chemistry</i> , 2017 , 136, 548-560	6.8	13
8	Carbon-11 and Fluorine-18 Radiolabeled Pyridopyrazinone Derivatives for Positron Emission Tomography (PET) Imaging of Phosphodiesterase-5 (PDE5). <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 486-496	8.3	5

7	Nanotherapeutics for Treatment of Pulmonary Arterial Hypertension. <i>Frontiers in Physiology</i> , 2018 , 9, 890	4.6	15
6	Myeloid-Derived Suppressor Cells Hinder the Anti-Cancer Activity of Immune Checkpoint Inhibitors. <i>Frontiers in Immunology</i> , 2018 , 9, 1310	8.4	260
5	Mechanical Stimuli Affect Escherichia coli Heat-Stable Enterotoxin-Cyclic GMP Signaling in a Human Enteroid Intestine-Chip Model. <i>Infection and Immunity</i> , 2020 , 88,	3.7	22
4	Advances in Cyclic Nucleotide Phosphodiesterase-Targeted PET Imaging and Drug Discovery. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 7083-7109	8.3	3
3	Mechanical Stimuli Affect E. Coli Heat Stable Enterotoxin (ST)-Cyclic GMP Signaling in a Human Enteroid Intestine-Chip Diarrhea Model.		
2	Perspectives of PDE inhibitor on treating idiopathic pulmonary fibrosis. 14,		0
1	Pyrazolopyrimidinone Based Selective Inhibitors of PDE5 for the Treatment of Erectile Dysfunction.		0