Phosphodiesterase type 5 as a pharmacologic target in e

Urology 60, 4-11 DOI: 10.1016/s0090-4295(02)01686-2

Citation Report

#	Article	IF	CITATIONS
1	Sildenafil: A 4-year update in the treatment of 20 million erectile dysfunction patients. Current Urology Reports, 2003, 4, 488-496.	1.0	34
2	Relaxing effects induced by the soluble guanylyl cyclase stimulator BAY 41-2272 in human and rabbit corpus cavernosum. European Journal of Pharmacology, 2003, 477, 163-169.	1.7	46
3	1,7- and 2,7-naphthyridine derivatives as potent and highly specific PDE5 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2341-2345.	1.0	28
4	Isolation of two isoforms of phosphodiesterase 5 from rat penis. International Journal of Impotence Research, 2003, 15, 129-136.	1.0	18
5	What is the relevance of bioinformatics to pharmacology?. Trends in Pharmacological Sciences, 2003, 24, 434-439.	4.0	45
6	Androgens and Cardiovascular Disease. Endocrine Reviews, 2003, 24, 313-340.	8.9	647
7	Localized Effects of cAMP Mediated by Distinct Routes of Protein Kinase A. Physiological Reviews, 2004, 84, 137-167.	13.1	665
8	A 66-Year-Old Man With Sexual Dysfunction. JAMA - Journal of the American Medical Association, 2004, 291, 2994.	3.8	27
9	Effect of Eculizumab on Hemolysis and Transfusion Requirements in Patients with Paroxysmal Nocturnal Hemoglobinuria. New England Journal of Medicine, 2004, 350, 552-559.	13.9	541
10	Novel nitric oxide signaling mechanisms regulate the erectile response. International Journal of Impotence Research, 2004, 16, S15-S19.	1.0	125
11	Differential inhibitor sensitivity between human recombinant and native photoreceptor cGMP-phosphodiesterases (PDE6s). Biochemical Pharmacology, 2004, 68, 867-873.	2.0	18
12	Causes of Erectile Dysfunction. Endocrine, 2004, 23, 119-124.	2.2	20
13	Phosphodiesterase-5 inhibitors: Clinical market and basic science comparative studies. Current Urology Reports, 2004, 5, 451-459.	1.0	8
15	The effect of selective phosphodiesterase inhibitors, alone and in combination, on a murine model of allergic asthma. Respiratory Research, 2004, 5, 4.	1.4	24
16	Phosphodiesterase Type-5 Inhibitors: A Critical Comparative Analysis. EAU Update Series, 2004, 2, 56-63.	0.5	19
17	Therapeutic interventions targeting the nitric oxide system: Current and potential uses in obstetrics, bone disease and erectile dysfunction. Life Sciences, 2004, 74, 1701-1721.	2.0	8
18	DA-8159 has erectile potentials much longer than the plasma half-life in a conscious rabbit model. Life Sciences, 2004, 75, 1075-1083.	2.0	8
19	Elevation of intracavernous pressure and NO-cGMP activity by a new herbal formula in penile tissues of aged and diabetic rats. Journal of Ethnopharmacology, 2004, 94, 85-92.	2.0	36

#	Article	IF	CITATIONS
20	Expression, intracellular distribution and basis for lack of catalytic activity of the PDE4A7 isoform encoded by the human PDE4A cAMP-specific phosphodiesterase gene. Biochemical Journal, 2004, 380, 371-384.	1.7	24
21	Cyclic nucleotide signaling in vascular and cavernous smooth muscle: aging-related changes. Advances in Cell Aging and Gerontology, 2004, 16, 57-106.	0.1	1
22	Splice variants of the cyclic nucleotide phosphodiesterase PDE4D are differentially expressed and regulated in rat tissue. Biochemical Journal, 2005, 388, 803-811.	1.7	135
23	The Clinical Sequelae of Intravascular Hemolysis and Extracellular Plasma Hemoglobin. JAMA - Journal of the American Medical Association, 2005, 293, 1653.	3.8	1,324
24	Past, present, and future: a 7-year update of Viagra® (sildenafil citrate). International Journal of Clinical Practice, 2005, 59, 680-691.	0.8	70
25	Peroxynitrite-induced relaxation in isolated rat aortic rings and mechanisms of action. Toxicology and Applied Pharmacology, 2005, 209, 269-276.	1.3	50
26	Nitric oxide and penile erectile function. , 2005, 106, 233-266.		185
27	Pharmacological preconditioning with sildenafil: Basic mechanisms and clinical implications. Vascular Pharmacology, 2005, 42, 219-232.	1.0	184
28	Effect of berberine on the mRNA expression of nitric oxide synthase (NOS) in rat corpus cavernosum. Journal of Huazhong University of Science and Technology [Medical Sciences], 2005, 25, 127-130.	1.0	9
29	Urologic Diseases in Elderly Men. Taehan Uihak Hyophoe Chi the Journal of the Korean Medical Association, 2005, 48, 236.	0.1	2
30	Regulation of intracellular Ca2+release in corpus cavernosum smooth muscle: synergism between nitric oxide and cGMP. American Journal of Physiology - Cell Physiology, 2005, 288, C650-C658.	2.1	39
31	Structural Determinants for Inhibitor Specificity and Selectivity in PDE2A Using the Wheat Germ in Vitro Translation System. Biochemistry, 2005, 44, 8312-8325.	1.2	62
32	IMPROVING ERECTILE FUNCTION BY SILENCING PHOSPHODIESTERASE-5. Journal of Urology, 2005, 174, 1142-1148.	0.2	27
33	Aging in the Hypothalamic-Pituitary-Testicular Axis. , 2006, , 2697-2728.		5
34	Phosphodiesterase-5 Isoforms: Differential Cyclic Guanyl Monophosphate Binding and Cyclic Guanyl Monophosphate Catalytic Activities, and Inhibitory Effects of Sildenafil and Vardenafil. Journal of Urology, 2006, 176, 1242-1247.	0.2	3
35	Evaluation and Medical Management of Erectile Dysfunction. Mayo Clinic Proceedings, 2006, 81, 385-390.	1.4	24
36	The Role of Nitric Oxide in Erectile Dysfunction: Implications for Medical Therapy. Journal of Clinical Hypertension, 2006, 8, 53-62.	1.0	137
37	Chronic treatment of DA-8159, a new phosphodiesterase type V inhibitor, attenuates endothelial dysfunction in stroke-prone spontaneously hypertensive rat. Life Sciences, 2006, 78, 1211-1216.	2.0	13

#	Article	IF	CITATIONS
38	The nitric oxide–guanosine 3′,5′-cyclic monophosphate pathway regulates dopamine efflux in the medial preoptic area and copulation in male rats. Neuroscience, 2006, 139, 417-428.	1.1	24
39	Synthesis, radiolabeling and in vivo evaluation of [11C]RAL-01, a potential phosphodiesterase 5 radioligand. Nuclear Medicine and Biology, 2006, 33, 593-597.	0.3	33
41	Cardiovascular and metabolic effects of natriuretic peptides. Fundamental and Clinical Pharmacology, 2006, 20, 41-49.	1.0	23
42	Tyrosine-612 in PDE5 contributes to higher affinity for vardenafil over sildenafil. International Journal of Impotence Research, 2006, 18, 251-257.	1.0	17
43	Effect of icariin on cyclic GMP levels and on the mRNA expression of cGMP-binding cGMP-specific phosphodiesterase (PDE5) in penile cavernosum. Journal of Huazhong University of Science and Technology [Medical Sciences], 2006, 26, 460-462.	1.0	17
44	Sildenafil for pulmonary arterial hypertension. Future Cardiology, 2006, 2, 137-143.	0.5	2
45	The Novel Functions of cGMP-Specific Phosphodiesterase 5 and its Inhibitors in Carcinoma Cells and Pulmonary/Cardiovascular Vessels. Current Topics in Medicinal Chemistry, 2007, 7, 437-454.	1.0	68
46	The effects of chronic phosphodiesterase-5 inhibitor use on different organ systems. International Journal of Impotence Research, 2007, 19, 139-148.	1.0	49
47	PDE5 inhibitors beyond erectile dysfunction. International Journal of Impotence Research, 2007, 19, 533-543.	1.0	67
48	Microarray analysis of gene expression profile in the corpus cavernosum of hypercholesterolemic rats after chronic treatment with PDE5 inhibitor. Life Sciences, 2007, 80, 699-708.	2.0	7
49	Molecular modeling studies of pyridopurinone derivatives—Potential phosphodiesterase 5 inhibitors. Journal of Molecular Graphics and Modelling, 2007, 26, 378-390.	1.3	44
50	Blockade of phosphodiesterase Type 5 enhances rat neurohypophysial excitability and electrically evoked oxytocin release. Journal of Physiology, 2007, 584, 137-147.	1.3	16
51	Inhibitors of phosphodiesterase 5 (PDE 5) inhibit the nerve-induced release of nitric oxide from the rabbit corpus cavernosum. British Journal of Pharmacology, 2007, 150, 353-360.	2.7	14
52	Phosphodiesteraseâ€5A and neutral endopeptidase activities in human adipocytes do not control atrial natriuretic peptideâ€mediated lipolysis. British Journal of Pharmacology, 2007, 152, 1102-1110.	2.7	40
53	Recent developments in the understanding and management of paroxysmal nocturnal haemoglobinuria. British Journal of Haematology, 2007, 137, 181-192.	1.2	130
54	Pharmacokinetics and tissue distribution of a novel PDE5 inhibitor, SK-3530, in rats. Acta Pharmacologica Sinica, 2007, 28, 1247-1253.	2.8	19
55	Nonurologic applications of phosphodiesterase type 5 inhibitors. Current Sexual Health Reports, 2007, 4, 64-70.	0.4	2
56	Extraction and DNA digestion of 5′-phosphodiesterase from malt root. Tsinghua Science and Technology, 2008, 13, 480-484.	4.1	9

#	Article	IF	CITATIONS
57	Real-time monitoring of phosphodiesterase inhibition in intact cells. Cellular Signalling, 2008, 20, 1423-1431.	1.7	47
58	Combination of Alfuzosin and Tadalafil Exerts In Vitro an Additive Relaxant Effect on Human Corpus Cavernosum. Journal of Sexual Medicine, 2008, 5, 935-945.	0.3	24
59	British Society for Sexual Medicine Guidelines on the Management of Erectile Dysfunction. Journal of Sexual Medicine, 2008, 5, 1841-1865.	0.3	124
60	Essential role of mitochondrial Ca2+-activated and ATP-sensitive K+ channels in sildenafil-induced late cardioprotection. Journal of Molecular and Cellular Cardiology, 2008, 44, 105-113.	0.9	71
61	Functional Chimeras of the Phosphodiesterase 5 and 10 Tandem GAF Domains. Journal of Biological Chemistry, 2008, 283, 25164-25170.	1.6	11
62	Sexual dysfunction: the â€~prima ballerina' of hypertension-related quality-of-life complications. Journal of Hypertension, 2008, 26, 2074-2084.	0.3	113
63	Discovery of the nitric oxide signaling pathway and targets for drug development. Frontiers in Bioscience - Landmark, 2009, Volume, 1.	3.0	195
64	Combination of Doxazosin and Sildenafil Exerts an Additive Relaxing Effect Compared with Each Compound Alone on Human Cavernosal and Prostatic Tissue. Journal of Sexual Medicine, 2009, 6, 836-847.	0.3	39
65	Safety, Efficacy, and Pharmacokinetic Overview of Low-Dose Daily Administration of Tadalafil. Journal of Sexual Medicine, 2009, 6, 2039-2048.	0.3	58
66	The effects of sildenafil on the functional and structural changes of ileum induced by intestinal ischemia–reperfusion in rats. European Journal of Pharmacology, 2009, 610, 87-92.	1.7	19
67	Effect of Tadalafil on prostate haemodynamics: preliminary evaluation with contrast-enhanced US. Radiologia Medica, 2009, 114, 1106-1114.	4.7	42
68	The effect of sildenafil, a phosphodiesteraseâ€5 inhibitor, on acetic acidâ€induced colonic inflammation in the rat. Journal of Gastroenterology and Hepatology (Australia), 2009, 24, 1142-1148.	1.4	34
69	A Novel Access to Arylated and Heteroarylated Beta-Carboline Based PDE5 Inhibitors. Medicinal Chemistry, 2010, 6, 374-387.	0.7	5
70	Solid-phase synthesis and evaluation of libraries of substituted 4,5-dihydropyridazinones as vasodilator agents. Journal of Pharmacy and Pharmacology, 2010, 56, 1029-1037.	1.2	10
71	Ginsenoside Rg1 Improves Male Copulatory Behavior Via Nitric Oxide/Cyclic Guanosine Monophosphate Pathway. Journal of Sexual Medicine, 2010, 7, 743-750.	0.3	43
72	Signalling pathways involved in sildenafilâ€induced relaxation of human bladder dome smooth muscle. British Journal of Pharmacology, 2010, 160, 1135-1143.	2.7	68
73	Modulation of penile erection in rabbits by mondia whitei: possible mechanism of action. Tropical Journal of Obstetrics and Gynaecology, 2010, 7, 241-52.	0.3	11
74	Effects of sildenafil on maternal hemodynamics and fetal growth in normal rat pregnancy. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R433-R438.	0.9	24

#	Article	IF	CITATIONS
75	Phosphodiesterase-5 inhibition by sildenafil citrate in a rat model of bleomycin-induced lung fibrosis. Pulmonary Pharmacology and Therapeutics, 2010, 23, 215-221.	1.1	41
76	The effect of phosphodiesterase-5 inhibition by sildenafil citrate on inflammation and apoptosis in rat experimental colitis. Life Sciences, 2011, 89, 402-407.	2.0	29
77	Kaempferia parviflora, a plant used in traditional medicine to enhance sexual performance contains large amounts of low affinity PDE5 inhibitors. Journal of Ethnopharmacology, 2011, 137, 1437-1441.	2.0	43
78	Phosphodiesterases as Targets for Modulating T-Cell Responses. Handbook of Experimental Pharmacology, 2011, , 345-363.	0.9	31
79	Sexuality in psychosis: dysfunction, risk and mental capacity. Advances in Psychiatric Treatment, 2011, 17, 275-282.	0.6	4
80	Sildenafil treatment attenuates lung and kidney injury due to overproduction of oxidant activity in a rat model of sepsis: a biochemical and histopathological study. Clinical and Experimental Immunology, 2011, 166, 374-384.	1.1	59
81	Erectogenic Effects ofClerodendron capitatum: Involvement of Phosphodiesterase Type-5 Inhibition. Evidence-based Complementary and Alternative Medicine, 2012, 2012, 1-6.	0.5	1
82	Novel therapeutic targets for erectile dysfunction. Maturitas, 2012, 71, 20-27.	1.0	16
83	Simultaneous screening and determination of 18 illegal adulterants in herbal medicines and health foods for male sexual potency by ultraâ€fast liquid chromatographyâ€electrospray ionization tandem mass spectrometry. Journal of Separation Science, 2012, 35, 2847-2857.	1.3	32
84	Acute Effects of Sildenafil on Uroflowmetric Parameters in Erectile Dysfunction Patients With and Without Lower Urinary Tract Symptoms. Journal of Andrology, 2012, 33, 1165-1168.	2.0	4
85	<i>Mondia whitei</i> , a Medicinal Plant from Africa with Aphrodisiac and Antidepressant Properties: A Review. Journal of Dietary Supplements, 2012, 9, 272-284.	1.4	25
86	South African plants and male reproductive healthcare: Conception and contraception. Journal of Ethnopharmacology, 2012, 143, 475-480.	2.0	38
87	Tadalafil. Drugs and Aging, 2012, 29, 771-781.	1.3	9
88	Phosphodiesterase Inhibitors, Congestive Heart Failure, and Sudden Death: Time for Reâ€Evaluation. Congestive Heart Failure, 2012, 18, 229-233.	2.0	19
89	Low nitric oxide bioavailability is associated with better responses to sildenafil in patients with erectile dysfunction. Naunyn-Schmiedeberg's Archives of Pharmacology, 2013, 386, 805-811.	1.4	17
90	Cender-specific immunological effects of the phosphodiesterase 5 inhibitor sildenafil in healthy mice. Molecular Immunology, 2013, 56, 649-659.	1.0	21
91	Contemporary management of erectile dysfunction. Urological Science, 2013, 24, 35-40.	0.2	3
92	Panax notoginseng saponins improve the erectile dysfunction in diabetic rats by protecting the endothelial function of the penile corpus cavernosum. International Journal of Impotence Research, 2013, 25, 206-211.	1.0	19

		CITATION REPORT		
#	Article		IF	Citations
93	Daily Dosing of PDE5 Inhibitors: Where Does it Fit in?. Current Urology Reports, 2013,	14, 269-278.	1.0	7
94	Sildenafil and analogous phosphodiesterase type 5 (PDE-5) inhibitors in herbal food su sampled on the Dutch market. Food Additives and Contaminants - Part A Chemistry, A Exposure and Risk Assessment, 2013, 30, 2027-2034.	pplements nalysis, Control,	1.1	29
95	Physiology of Erection. , 2014, , 1-12.			0
96	Androgen Dependent Penile Development and Erection Physiology—A Molecular Cor of Urology, 2014, 192, 8-9.	nection?. Journal	0.2	0
97	Editorial Comment to Extracorporeal shockwave therapy in the treatment of erectile d prospective, randomized, doubleâ€blinded, placebo controlled study. International Jou 2014, 21, 1045-1045.	ysfunction: A rnal of Urology,	0.5	0
98	Comparison of the effects of systemic sildenafil, tadalafil, and vardenafil treatments or survival in rats. Journal of Plastic Surgery and Hand Surgery, 2015, 49, 358-362.	ı skin flap	0.4	15
99	The evaluation of penile microvascular endothelial function using laser speckle contras healthy volunteers. Microvascular Research, 2015, 99, 96-101.	t imaging in	1.1	6
100	Object memory enhancement by combining sub-efficacious doses ofÂspecific phospho inhibitors. Neuropharmacology, 2015, 95, 361-366.	odiesterase	2.0	35
101	Ultrasound up-regulates expression of heme oxygenase-1 gene in endothelial cells. Jou Ultrasonics (2001), 2015, 42, 467-475.	rnal of Medical	0.6	6
102	Pharmacological Profile of GPD-1116, an Inhibitor of Phosphodiesterase 4. Biological a Pharmaceutical Bulletin, 2016, 39, 689-698.	nd	0.6	9
103	Relaxant effect of a metal-based drug in human corpora cavernosa and its mechanism International Journal of Impotence Research, 2016, 28, 20-24.	of action.	1.0	10
104	Investigation of PDE5/PDE6 and PDE5/PDE11 selective potent tadalafil-like PDE5 inhib combination of molecular modeling approaches, molecular fingerprint-based virtual sc protocols and structure-based pharmacophore development. Journal of Enzyme Inhibit Medicinal Chemistry, 2017, 32, 311-330	tors using reening ion and	2.5	26
105	Novel Pieces for the Emerging Picture of Sulfoximines in Drug Discovery: Synthesis and Sulfoximine Analogues of Marketed Drugs and Advanced Clinical Candidates. ChemMe 487-501.	l Evaluation of 2dChem, 2017, 12,	1.6	151
106	Inhibition of PDE5A1 guanosine cyclic monophosphate (cGMP) hydrolysing activity by analogues that inhibit cellular cGMP efflux. Journal of Pharmacy and Pharmacology, 20	sildenafil 17, 69, 675-683.	1.2	6
107	Structural investigation of vesnarinone at the pore domains of open and open-inactiva hERG1 K + channel. Journal of Molecular Graphics and Modelling, 2017, 77, 399-412.	ted states of	1.3	6
108	Phosphodiesterase 5 Inhibitors from Derris scandens. Planta Medica, 2018, 84, 1134-1	140.	0.7	5
109	British Society for Sexual Medicine Guidelines on the Management of Erectile Dysfunct Men—2017. Journal of Sexual Medicine, 2018, 15, 430-457.	tion in	0.3	91
110	Kaempferia parviflora ethanol extract improves self-assessed sexual health in men: a pi Journal of Integrative Medicine, 2018, 16, 249-254.	lot study.	1.4	18

#	Article	IF	CITATIONS
111	Alkaloid extracts from Bitter leaf (<i>Vernonia amygdalina</i>) and Black nightshade (<i>Solanum) Tj ETQq0 0 Journal of Food Biochemistry, 2019, 43, e12889.</i>	D rgBT /Ov 1.2	verlock 10 Tf 8
112	In Silico Mapping of Essential Residues in the Catalytic Domain of PDE5 Responsible for Stabilization of Its Commercial Inhibitors. Scientia Pharmaceutica, 2019, 87, 29.	0.7	1
113	Q817G mutation in phosphodiesterase type 5: Conformational analysis and dissociation profile of the inhibitor Tadalafil. Chemical Biology and Drug Design, 2019, 93, 419-429.	1.5	6
114	Pfaffia glomerata hydroalcoholic extract stimulates penile tissue in adult Swiss mice. Journal of Ethnopharmacology, 2020, 261, 113182.	2.0	14
115	Toxicology of natural and synthetic aphrodisiacs. Rechtsmedizin, 2020, 30, 15-30.	2.6	7
116	Fluorescence polarisation for highâ€ŧhroughput screening of adulterated food products via phosphodiesterase 5 inhibition assay. Drug Testing and Analysis, 2021, 13, 953-964.	1.6	4
117	Changes in the Pharmacokinetics and Pharmacodynamics of Sildenafil in Cigarette and Cannabis Smokers. Pharmaceutics, 2021, 13, 876.	2.0	7
118	Exploration of the effect of pulmonary fibrosis on erectile function in rats: A study based on bioinformatics and experimental research. Andrologia, 2021, 53, e14085.	1.0	1
119	Inhibition of ABCC5-mediated cGMP transport by progesterone, testosterone and their analogues. Journal of Steroid Biochemistry and Molecular Biology, 2021, 213, 105951.	1.2	0
120	Influence of Energy Drinks on Pharmacokinetic Parameters of Sildenafil in Rats. Biomedical and Pharmacology Journal, 2018, 11, 1317-1328.	0.2	2
121	The role of cGMP as a mediator of lipolysis in bovine oocytes and its effects on embryo development and cryopreservation. PLoS ONE, 2018, 13, e0191023.	1.1	9
122	Misoprostol and the Sildenafil analog (PHAR-0099048) Modulate Cellular Efflux of cAMP and cGMP Differently. Pharmacology & Pharmacy, 2013, 04, 104-109.	0.2	8
123	Sexualitä , 2004, , 259-298.		0
124	Sildenafil citrate: a 5-year update on the worldwide treatment of 20 million men with erectile dysfunction. , 2004, , 35-47.		0
125	Molecular processing of sildenafil in endothelial function: potential applications in cardiovascular diseases. , 2004, , 129-142.		0
127	Phosphodiesterase 6. , 2007, , 1-16.		0
128	Haemolysis in PNH: Depletion of Nitric Oxide. , 2017, , 121-135.		0
129	Emerging new uses of phosphodiesterase-5 inhibitors in cardiovascular diseases. Experimental and Clinical Cardiology, 2011, 16, e30-5.	1.3	40

#	Article	IF	CITATIONS
131	Knowledge, Attitude, Confidence, and Barriers in the Practice of Erectile Dysfunction Screening among Primary Health-Care Providers in Taiping Perak, Malaysia. Urological Science, 2019, 30, 170-176.	0.2	0
132	Tadalafil treatment improves cardiac, renal and lower urinary tract dysfunctions in rats with heart failure. Life Sciences, 2022, 289, 120237.	2.0	3
133	Sildenafil (Viagra) Aggravates the Development of Experimental Abdominal Aortic Aneurysm. Journal of the American Heart Association, 2022, 11, e023053.	1.6	9
135	In vitro inhibition of phosphodiesterase type 4 enhances rat corpus cavernosum nerve-mediated relaxation induced by gasotransmitters. Life Sciences, 2022, 296, 120432.	2.0	3
136	Update on Treatment Options for Stuttering Priapism. Current Sexual Health Reports, 2022, 14, 140-149.	0.4	1