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Stimulation of serotonin transport by the cyclic GMP phosphodiesterase-5 inhibitor sildenafil

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European Journal of Pharmacology, 2004, 504, 1-6.

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#	Paper	IF	Citations
35	Involvement of the NMDA receptor, NO-cyclic GMP and nuclear factor K-beta in an animal model of repeated trauma. <i>Human Psychopharmacology</i> , 2005 , 20, 367-73	2.3	32
34	Biogenic amine neurotransmitter transporters: just when you thought you knew them. <i>Physiology</i> , 2005 , 20, 225-31	9.8	59
33	p38 MAPK activation elevates serotonin transport activity via a trafficking-independent, protein phosphatase 2A-dependent process. <i>Journal of Biological Chemistry</i> , 2005 , 280, 15649-58	5.4	173
32	Human serotonin transporter variants display altered sensitivity to protein kinase G and p38 mitogen-activated protein kinase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 11545-50	11.5	148
31	Voltage and ionic regulation of human serotonin transporter in <i>Xenopus</i> oocytes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 1088-92	3	4
30	Multi-target strategies for the improved treatment of depressive states: Conceptual foundations and neuronal substrates, drug discovery and therapeutic application. 2006 , 110, 135-370		433
29	Dissection of an allosteric mechanism on the serotonin transporter: a cross-species study. <i>Molecular Pharmacology</i> , 2006 , 69, 1242-50	4.3	48
28	Phosphorylation of threonine residue 276 is required for acute regulation of serotonin transporter by cyclic GMP. <i>Journal of Biological Chemistry</i> , 2007 , 282, 11639-47	5.4	70
27	Rapid stimulation of presynaptic serotonin transport by A(3) adenosine receptors. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007 , 322, 332-40	4.7	48
26	Serotonin transporter phosphorylation by cGMP-dependent protein kinase is altered by a mutation associated with obsessive compulsive disorder. <i>Journal of Neuroscience</i> , 2007 , 27, 10878-86	6.6	42
25	Going with the flow: trafficking-dependent and -independent regulation of serotonin transport. <i>Traffic</i> , 2008 , 9, 1393-402	5.7	103
24	Oral phosphodiesterase type 5 inhibitors: nonerectogenic beneficial uses. <i>Journal of Sexual Medicine</i> , 2008 , 5, 2502-18	1.1	37
23	Molecular mechanisms that could contribute to prolonged effectiveness of PDE5 inhibitors to improve erectile function. <i>International Journal of Impotence Research</i> , 2008 , 20, 333-42	2.3	37
22	Phosphodiesterase 5 inhibitors prevent 3,4-methylenedioxymethamphetamine-induced 5-HT deficits in the rat. <i>Journal of Neurochemistry</i> , 2009 , 108, 755-66	6	39
21	cGMP-dependent protein kinase Ialpha associates with the antidepressant-sensitive serotonin transporter and dictates rapid modulation of serotonin uptake. <i>Molecular Brain</i> , 2009 , 2, 26	4.5	40
20	Lack of effect of sildenafil on cocaine-induced convulsions in mice. <i>Pharmacological Reports</i> , 2009 , 61, 930-4	3.9	12
19	KMUP-1 inhibits pulmonary artery proliferation by targeting serotonin receptors/transporter and NO synthase, inactivating RhoA and suppressing AKT/ERK phosphorylation. <i>Vascular Pharmacology</i> , 2010 , 53, 239-49	5.9	19

18	The locust foraging gene. <i>Archives of Insect Biochemistry and Physiology</i> , 2010 , 74, 52-66	2.3	34
17	Effect of sildenafil on the anticonvulsant action of classical and second-generation antiepileptic drugs in maximal electroshock-induced seizures in mice. <i>Epilepsia</i> , 2010 , 51, 1552-9	6.4	29
16	Real-time, spatially resolved analysis of serotonin transporter activity and regulation using the fluorescent substrate, ASP+. <i>Journal of Neurochemistry</i> , 2010 , 114, 1019-29	6	27
15	Regulation of monoamine transporters: Role of transporter phosphorylation. <i>Pharmacology & Therapeutics</i> , 2011 , 129, 220-38	13.9	106
14	SLC6 neurotransmitter transporters: structure, function, and regulation. <i>Pharmacological Reviews</i> , 2011 , 63, 585-640	22.5	561
13	Transgenic elimination of high-affinity antidepressant and cocaine sensitivity in the presynaptic serotonin transporter. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 3785-90	11.5	50
12	Myristoylation of cGMP-dependent protein kinase dictates isoform specificity for serotonin transporter regulation. <i>Journal of Biological Chemistry</i> , 2011 , 286, 2461-8	5.4	13
11	Sildenafil, a phosphodiesterase type 5 inhibitor, enhances the activity of two atypical antidepressant drugs, mianserin and tianeptine, in the forced swim test in mice. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2012 , 38, 121-6	5.5	11
10	Co-administration of fluoxetine and Sildenafil has benefits in anxiety behavior in mice. <i>Neurochemical Journal</i> , 2013 , 7, 34-38	0.5	
9	Morphological Effects of Combined Systemic Administration of Fluoxetine and Sildenafil in the Murine Hippocampus. <i>Neurophysiology</i> , 2013 , 45, 293-298	0.6	
8	A dialogue between the immune system and brain, spoken in the language of serotonin. <i>ACS Chemical Neuroscience</i> , 2013 , 4, 48-63	5.7	212
7	Experimental evidence for sildenafil's action in the central nervous system: dopamine and serotonin changes in the medial preoptic area and nucleus accumbens during sexual arousal. <i>Journal of Sexual Medicine</i> , 2013 , 10, 719-29	1.1	25
6	Hippocampal nNOS inhibition induces an antidepressant-like effect: involvement of 5HT1A receptors. <i>Behavioural Pharmacology</i> , 2014 , 25, 187-96	2.4	24
5	Characterization of intracellular regions in the human serotonin transporter for phosphorylation sites. <i>ACS Chemical Biology</i> , 2014 , 9, 935-44	4.9	17
4	Mice genetically depleted of brain serotonin do not display a depression-like behavioral phenotype. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 908-19	5.7	38
3	Kinase-dependent Regulation of Monoamine Neurotransmitter Transporters. <i>Pharmacological Reviews</i> , 2016 , 68, 888-953	22.5	54
2	Phosphodiesterase 5. 2006 ,		8
1	SERT. <i>The AFCS-nature Molecule Pages</i> ,		

