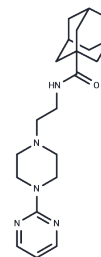


Adatanserin

Chemical Properties

CAS No. :	127266-56-2
Formula:	C ₂₁ H ₃₁ N ₅ O
Molecular Weight:	369.5
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Adatanserin (WY 50324) is a mixed 5-HT _{1A} receptor partial agonist and a 5-HT _{2A} and 5-HT _{2C} receptor antagonist with potential neuroprotective activity for the study of coke oven and depression.
Targets(IC ₅₀)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7064 mL	13.5318 mL	27.0636 mL
5 mM	0.5413 mL	2.7064 mL	5.4127 mL
10 mM	0.2706 mL	1.3532 mL	2.7064 mL
50 mM	0.0541 mL	0.2706 mL	0.5413 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Dawson LA, et al. Attenuation of ischemic efflux of endogenous amino acids by the novel 5-HT(1A)/5-HT(2) receptor ligand adatanserin. *Neurochem Int.* 2002 Mar;40(3):203-9.

Abou-Gharbia MA, et al. Synthesis and SAR of adatanserin: novel adamantyl aryl- and heteroarylpiperazines with dual serotonin 5-HT(1A) and 5-HT(2) activity as potential anxiolytic and antidepressant agents. *J Med Chem.* 1999 Dec 16;42(25):5077-94.

Evans CA, et al. Synthesis and biological evaluation of thioadatanserin and its dialkylated products as partial 5-HT_{1A} agonists and 5-HT_{2A} antagonists for potential use in depression and anxiety disorders. *Bioorg Med Chem Lett.* 2020 Aug 15;30(16):127358.

Lim HK, et al. Rapid drug metabolite profiling using fast liquid chromatography, automated multiple-stage mass spectrometry and receptor-binding. *J Chromatogr A.* 1999 Jan 29;831(2):227-41.

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