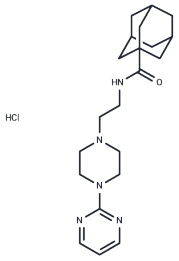
Data Sheet (Cat.No.T29645)

TargetMol

Adatanserin hydrochloride

Chemical Properties



CAS No. : 144966-96-1

Formula: C21H32ClN5O

Molecular Weight: 405.96

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 hydrochloride (WY50324 hydrochloride) is a novel 5-HT(1A)/5-HT(2) receptor ligand with potential neuroprotective effects and inhibition of ischemic efflux of endogenous amino acids, which can be used in the study of depression and anxiety disorders.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4633 mL	12.3165 mL	24.633 mL
5 mM	0.4927 mL	2.4633 mL	4.9266 mL
10 mM	0.2463 mL	1.2316 mL	2.4633 mL
50 mM	0.0493 mL	0.2463 mL	0.4927 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

Evans CA, et al. Synthesis and biological evaluation of thioadatanserin and its dialkylated products as partial 5-HTR1A agonists and 5-HTR2A antagonists for potential use in depression and anxiety disorders. Bioorg Med Chem Lett. 2020 Aug 15;30(16):127358.

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.

Lim HK, et al. Simultaneous screen for microsomal stability and metabolite profile by direct injection turbulent-laminar flow LC-LC and automated tandem mass spectrometry. Anal Chem. 2001 May 1;73(9):2140-6.

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