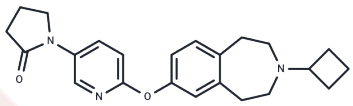
Data Sheet (Cat.No.T27462)

TargetMol

GSK-239512

Chemical Properties



CAS No. : 720691-69-0

Formula: C23H27N3O2

Molecular Weight: 377.48

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	GSK-239512 is an antagonist of H3 receptor and can be used in studies about the treatment of cognitive dysfunction in neurodegenerative disorders.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 6.9 mg/mL (18.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6491 mL	13.2457 mL	26.4915 mL
5 mM	0.5298 mL	2.6491 mL	5.2983 mL
10 mM	0.2649 mL	1.3246 mL	2.6491 mL
50 mM	0.053 mL	0.2649 mL	0.5298 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

Kubo M, et al. Histamine H3 Receptor Antagonists for Alzheimer's Disease: A Systematic Review and Meta-Analysis of Randomized Placebo-Controlled Trials. J Alzheimers Dis. 2015;48(3):667-71.

Jarskog LF, et al. A Phase II study of a histamine H_3 receptor antagonist GSK239512 for cognitive impairment in stable schizophrenia subjects on antipsychotic therapy. Schizophr Res. 2015 May;164(1-3):136-42.

Xu J, et al. An adaptive design to investigate the effect of ketoconazole on pharmacokinetics of GSK239512 in healthy male volunteers. J Clin Pharmacol. 2015 May;55(5):505-11.

Ashworth S, et al. Unexpectedly high affinity of a novel histamine H(3) receptor antagonist, GSK239512, in vivo in human brain, determined using PET. Br J Pharmacol. 2014 Mar;171(5):1241-9.