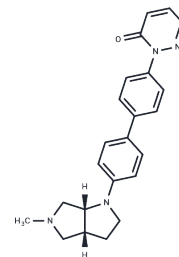


Abt-288

Chemical Properties

CAS No. : 948845-91-8
 Formula: C₂₃H₂₄N₄O
 Molecular Weight: 372.46
 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	ABT-288 is a selective and potent H3 antagonist for the treatment of mild to moderate Alzheimer's dementia.
Targets(IC50)	Histamine Receptor

Solubility Information

Solubility	DMSO: 6.33 mg/mL (17 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6849 mL	13.4243 mL	26.8485 mL
5 mM	0.537 mL	2.6849 mL	5.3697 mL
10 mM	0.2685 mL	1.3424 mL	2.6849 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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

- Falkenstein M, et al. Histamine H3 receptor antagonists with peptidomimetic (keto)piperazine structures to inhibit A β oligomerisation. *Bioorg Med Chem*. 2021 Nov 15;50:116462.
- Haig GM, Pritchett Y, Meier A, Othman AA, Hall C, Gault LM, Lenz RA. A randomized study of H3 antagonist ABT-288 in mild-to-moderate Alzheimer's dementia. *J Alzheimers Dis*. 2014;42(3):959-71. doi: 10.3233/JAD-140291. PubMed PMID: 25024314.
- Haig GM, Bain E, Robieson W, Othman AA, Baker J, Lenz RA. A randomized trial of the efficacy and safety of the H3 antagonist ABT-288 in cognitive impairment associated with schizophrenia. *Schizophr Bull*. 2014 Nov;40(6):1433-42. doi: 10.1093/schbul/sbt240. PubMed PMID: 24516190; PubMed Central PMCID: PMC4193706.
- Othman AA, Haig G, Florian H, Locke C, Gertsik L, Dutta S. The H3 antagonist ABT-288 is tolerated at significantly higher exposures in subjects with schizophrenia than in healthy volunteers. *Br J Clin Pharmacol*. 2014 Jun;77(6):965-74. doi: 10.1111/bcp.12281. PubMed PMID: 24215171; PubMed Central PMCID: PMC4093922.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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