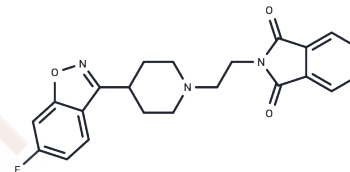


5-HT_{6/7} antagonist 1

Chemical Properties

CAS No. :	131999-28-5
Formula:	C ₂₂ H ₂₀ FN ₃ O ₃
Molecular Weight:	393.41
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	5-HT _{6/7} antagonist 1 is a dual 5-HT _{6/7/2A} and D ₂ receptor antagonist used in the study of dementia and Alzheimer's disease.
Targets(IC ₅₀)	5-HT Receptor, Dopamine Receptor
In vitro	Constituting a promising strategy for treating symptoms of BPSD, targeting 5-HT ₆ and/or 5-HT ₇ receptors with antagonist drugs may avoid some of the side effects associated with current antipsychotic drugs. Nevertheless, given the complex pathology of dementia and the accompanying behavioral and psychological symptoms, it seems unlikely that focusing on a single therapeutic target would be sufficient to provide adequate clinical benefit. Therefore, the successful development of novel anti-BPSD agents is likely to involve a 'designed' multifactorial approach[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5419 mL	12.7094 mL	25.4188 mL
5 mM	0.5084 mL	2.5419 mL	5.0838 mL
10 mM	0.2542 mL	1.2709 mL	2.5419 mL
50 mM	0.0508 mL	0.2542 mL	0.5084 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

Kołaczkowski M, et al. Novel arylsulfonamide derivatives with 5-HT₆/5-HT₇ receptor antagonism targeting behavioral and psychological symptoms of dementia. J Med Chem. 2014 Jun 12;57(11):4543-57.

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