

5a

Chemical Properties

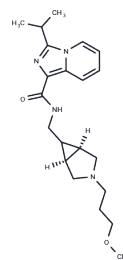
CAS No. :

Formula: C₂₁H₃₀N₄O₂

Molecular Weight: 370.49

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	5a is an agonist of 5-HT ₄ R partial. It displayed cognition-enhancing properties in animal models.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6991 mL	13.4956 mL	26.9913 mL
5 mM	0.5398 mL	2.6991 mL	5.3983 mL
10 mM	0.2699 mL	1.3496 mL	2.6991 mL
50 mM	0.054 mL	0.2699 mL	0.5398 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

Ramakrishna Nirogi, Abdul Rasheed Mohammed, Anil K. Shinde, Shankar Reddy Gagginapally, Durga Malleshwari Kancharla, Vanaja Reddy Middekadi, Narsimha Bogaraju, Srinivasa Rao Ravella, Pooja Singh, Sumit Raosaheb Birangal, Ramkumar Subramanian, Raghava Choudary Palacharla, Vijay Benade, Nageswararao Muddana, and Pradeep Jayarajan. Synthesis, Structure-Activity Relationships, and Preclinical Evaluation of Heteroaromatic Amides and 1,3,4-Oxadiazole Derivatives as 5-HT₄ Receptor Partial Agonists. Publication Date (Web): May 15, 2018 (Article) doi: 10.1021/acs.jmedchem.8b00457

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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