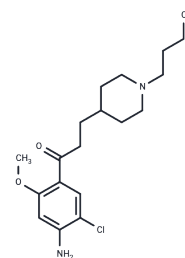


RS-67333

## Chemical Properties

CAS No. : 160845-95-4  
 Formula: C<sub>19</sub>H<sub>29</sub>ClN<sub>2</sub>O<sub>2</sub>  
 Molecular Weight: 352.9  
 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	RS-67333 is a selective and efficient partial agonist of the 5-HT <sub>4</sub> receptor (5-HT <sub>4</sub> R) with neuroprotective effects, useful in preventing amyloid deposition and behavioral deficits in the 5XFAD mouse model of Alzheimer's disease.
Targets(IC <sub>50</sub> )	5-HT Receptor
In vitro	RS-67333 exhibits affinity for the 5-HT <sub>4</sub> binding site in the guinea pig striatum (pK <sub>i</sub> = 8.7, respectively); and lower affinity (< 6.0) for several other receptors, including 5-HT <sub>1A</sub> , 5-HT <sub>1D</sub> , 5-HT <sub>2A</sub> , 5-HT <sub>2C</sub> , dopamine D <sub>1</sub> , D <sub>2</sub> , and muscarinic M <sub>1</sub> -M <sub>3</sub> receptors. However, RS-67333 exhibits affinity for both the sigma 1 (pK <sub>i</sub> = 8.9) and sigma 2 (pK <sub>i</sub> = 8.0) binding sites.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8337 mL	14.1683 mL	28.3366 mL
5 mM	0.5667 mL	2.8337 mL	5.6673 mL
10 mM	0.2834 mL	1.4168 mL	2.8337 mL
50 mM	0.0567 mL	0.2834 mL	0.5667 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

Eglen RM, et al. Pharmacological characterization of two novel and potent 5-HT<sub>4</sub> receptor agonists, RS 67333 and RS 67506, in vitro and in vivo. Br J Pharmacol. 1995 Aug;115(8):1387-92.

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