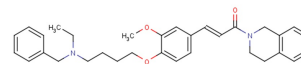


BuChE-IN-TM-10

Chemical Properties

CAS No.: 2313524-95-5
Formula: C₃₂H₃₈N₂O₃
Molecular Weight: 498.66
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	BuChE-IN-TM-10 (TM-10) is a potent inhibitor of butyrylcholinesterase (BuChE; IC ₅₀ : 8.9 nM) with the potential to treat Alzheimer's disease.
Targets(IC ₅₀)	BuChE: 8.9 nM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.005 mL	10.027 mL	20.054 mL
5 mM	0.401 mL	2.005 mL	4.011 mL
10 mM	0.201 mL	1.003 mL	2.005 mL
50 mM	0.04 mL	0.201 mL	0.401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sang Z, et al. Design, Synthesis, and Evaluation of Novel Ferulic Acid Derivatives as Multi-Target-Directed Ligands for the Treatment of Alzheimer's Disease. ACS Chem Neurosci. 2019 Feb 20;10(2):1008-1024.

Inhibitors · Natural Compounds · Compound Libraries

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