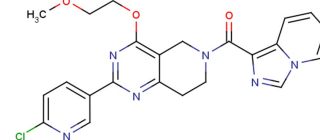


THPP-1

Chemical Properties

CAS No.:	1257051-63-0
Formula:	C ₂₃ H ₂₁ ClN ₆ O ₃
Molecular Weight:	464.9
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	THPP-1 is a potent and orally bioavailable inhibitor of PDE10A(Ki of 1 nM and 1.3 nM for human and rat PDE10A, respectively).
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Solubility Information

Solubility	DMSO: 31 mg/mL (66.68 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.151 mL	10.755 mL	21.510 mL
5 mM	0.430 mL	2.151 mL	4.302 mL
10 mM	0.215 mL	1.076 mL	2.151 mL
50 mM	0.043 mL	0.215 mL	0.430 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. Vardigan JD, et al. Behavioral and qEEG effects of the PDE10A inhibitor THPP-1 in a novel rhesus model of antipsychotic activity. Psychopharmacology (Berl). 2016 Jul;233(13):2441-50.
2. Smith SM, et al. The novel phosphodiesterase 10A inhibitor THPP-1 has antipsychotic-like effects in rat and improves cognition in rat and rhesus monkey. Neuropharmacology. 2013 Jan;64:215-23.

Inhibitors · Natural Compounds · Compound Libraries

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