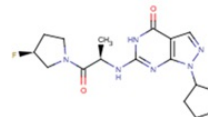


PDE9-IN-1

Chemical Properties

CAS No.:	2305087-92-5
Formula:	C ₁₇ H ₂₃ FN ₆ O ₂
Molecular Weight:	362.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	PDE9-IN-1 is a potent, selective, and orally bioavailable Inhibitor of phosphodiesterase-9A (PDE9A)(IC ₅₀ of 8.7 nM).
Targets(IC ₅₀)	PDE9A: 8.7 nM
In vitro	PDE9-IN-1 is selectivity across PDE families[1].
In vivo	PDE9-IN-1 effectively recovers learning and memory function[1].

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	2.759 mL	13.797 mL	27.594 mL
5 mM	0.552 mL	2.759 mL	5.519 mL
10 mM	0.276 mL	1.38 mL	2.759 mL
50 mM	0.055 mL	0.276 mL	0.552 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. Wu Y, et al. Discovery of Potent, Selective, and Orally Bioavailable Inhibitors against Phosphodiesterase-9, a Novel Target for the Treatment of Vascular Dementia. J Med Chem. 2019 Apr 25;62(8):4218-4224.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481