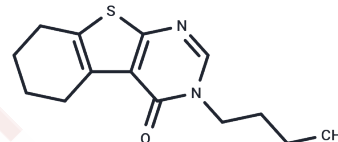


PDE1-IN-11

Chemical Properties

CAS No. : 86009-41-8
 Formula: C₁₄H₁₈N₂O₂
 Molecular Weight: 262.37
 Storage: Store at low temperature
 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	PDE1-IN-11 is a potent and selective PDE1 inhibitor. It enhances synaptic plasticity and cerebral blood flow by elevating cAMP/cGMP levels, used for cognitive enhancement research.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 8 mg/mL (30.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8114 mL	19.0571 mL	38.1141 mL
5 mM	0.7623 mL	3.8114 mL	7.6228 mL
10 mM	0.3811 mL	1.9057 mL	3.8114 mL
50 mM	0.0762 mL	0.3811 mL	0.7623 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

Jourd'heil D. Increased nitric oxide-dependent nitrosylation of 4,5-diaminofluorescein by oxidants: implications for the measurement of intracellular nitric oxide. Free Radic Biol Med. 2002 Sep 1;33(5):676-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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