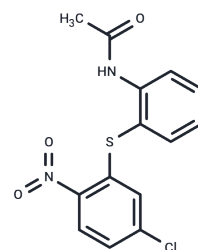


PDE7-IN-2

Chemical Properties

CAS No. : 107522-19-0
 Formula: C₁₄H₁₁ClN₂O₃S
 Molecular Weight: 322.77
 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	PDE7-IN-2 is an inhibitor of phosphodiesterase 7 (IC ₅₀ = 2.1 μM) and can be used in Parkinson's disease studies.
Targets(IC ₅₀)	PDE

Solubility Information

Solubility	Ethanol: ≤5 mg/mL, Sonication is recommended. DMSO: 27 mg/mL (83.65 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	3.0982 mL	15.4909 mL	30.9818 mL
5 mM	0.6196 mL	3.0982 mL	6.1964 mL
10 mM	0.3098 mL	1.5491 mL	3.0982 mL
50 mM	0.062 mL	0.3098 mL	0.6196 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

García AM, wt, al. Modulation of cAMP-specific PDE without emetogenic activity: new sulfide-like PDE7 inhibitors. J Med Chem. 2014 Oct 23;57(20):8590-607.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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