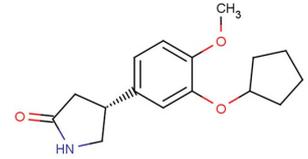


Data Sheet (Cat.No.T13448)

(R)-(-)-Rolipram

Chemical Properties

CAS No.:	85416-75-7
Formula:	C ₁₆ H ₂₁ NO ₃
Molecular Weight:	275.34
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(R)-(-)-Rolipram is the R-enantiomer of Rolipram. Rolipram is a selective inhibitor of phosphodiesterases PDE4 (IC ₅₀ of 3 nM, 130 nM and 240 nM for PDE4A, PDE4B, and PDE4D, respectively).
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 49 mg/mL (177.96 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.632 mL	18.159 mL	36.319 mL
5 mM	0.726 mL	3.632 mL	7.264 mL
10 mM	0.363 mL	1.816 mL	3.632 mL
50 mM	0.073 mL	0.363 mL	0.726 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. Guo C, et al. Bile Acids Control Inflammation and Metabolic Disorder through Inhibition of NLRP3 Inflammasome. *Immunity*. 2016 Oct 18;45(4):944.

Inhibitors · Natural Compounds · Compound Libraries

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