

(R) - (-) -Rolipram

Catalog No: tcsc3246



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

85416-75-7

Formula:

$C_{16}H_{21}NO_3$

Pathway:

Metabolic Enzyme/Protease

Target:

Phosphodiesterase (PDE)

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 49 mg/mL (177.96 mM)

Alternative Names:

(R)-Rolipram;(-)-Rolipram

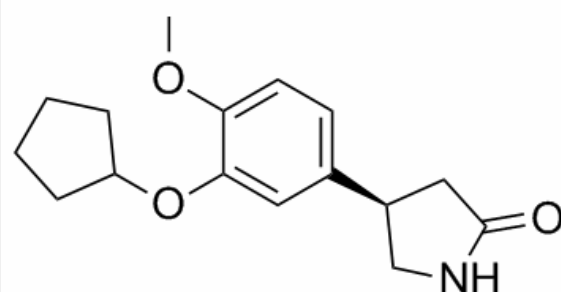
Observed Molecular Weight:

275.34

Product Description

(R)-(-)-Rolipram is the R-enantiomer of Rolipram. Rolipram is a selective inhibitor of phosphodiesterases **PDE4** with **IC₅₀** of 3 nM, 130 nM and 240 nM for PDE4A, PDE4B, and PDE4D, respectively.

In Vitro: The increase of cAMP synthesis with the adenylate cyclase activator forskolin or the decrease of cAMP hydrolysis by the phosphodiesterase inhibitors Isobutylmethylxanthine (IBMX) and (R)-(-)-Rolipram (MedChem Express) suppresses caspase-1 cleavage and IL-1 β secretion in a dose-dependent manner^[1].



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