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DATASHEET

(R,S)-Rolipram

Product overview

Name	(R,S)-Rolipram
Cat No	HB2896
Biological action	Inhibitor
Purity	>98%
Description	Selective PDE4 inhibitor

Biological Data

Biological description	Selective phosphodiesterase PDE4 inhibitor (IC ₅₀ values are ~130 nM and 240 nM for PDE4B and PDE4D respectively). Shows antiinflammatory, antidepressant, neuroprotective effects and actions against Alzheimer's disease.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (75 mM) and ethanol (75 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-(3-(Cyclopentyloxy)-4-methoxyphenyl)pyrrolidin-2-one
Molecular Weight	275.35
Molecular Formula	C ₁₆ H ₂₁ NO ₃
CAS Number	61413-54-5
PubChem identifier	5092
SMILES	<chem>COc1ccc(cc1OC2CCCC2)C3CNC(=O)C3</chem>