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DATASHEET

(R)-(-)-Rolipram

Product overview

Name	(R)-(-)-Rolipram
Cat No	HB2898
Biological action	Inhibitor
Purity	>98%
Description	Potent, selective PDE4 inhibitor. Enantiomer of Rolipram.

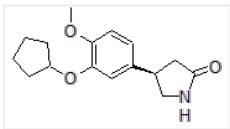
Biological Data

Biological description	Enantiomer of Rolipram. Potent and selective phosphodiesterase PDE4 inhibitor (IC ₅₀ values are 0.22 and 0.29 μM for membrane-bound PDE4 and cytosolic PDE4 respectively).
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in DMSO (100 mM) and ethanol (100 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	4R)-4-[3-(Cyclopentyloxy)-4-methoxyphenyl]pyrrolidin-2-one
Molecular Weight	275.35
Chemical structure	
Molecular Formula	C ₁₆ H ₂₁ NO ₃
CAS Number	85416-75-7
PubChem identifier	448055
SMILES	<chem>COC1=C(C=C(C=C1)[C@H]2CC(=O)NC2)OC3CCCC3</chem>
InChi	InChI=1S/C16H21NO3/c1-19-14-7-6-11(12-9-16(18)17-10-12)8-15(14)20-13-4-2-3-5-13/h6-8,12-13 H,2-5,9-10H2,1H3,(H,17,18)/t12-/m0/s1
InChiKey	HJORMJIFDVBM0B-LBPRGKRZSA-N
MDL number	MFCD03093860