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DATASHEET

Rifaximin

Product overview

Name	Rifaximin
Cat No	HB2568
Description	Antibiotic and Pregane X receptor agonist

Biological Data

Biological description	Antibiotic and Pregane X receptor (PXR) agonist. Binds to the β -subunit of bacterial RNA polymerase to interfere with transcription to block translocation.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in ethanol (100 mM) and DMSO (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	(2S,16Z,18E,20S,21S,22R,23R,24R,25S,26R,27S,28E)-25-(Acetyloxy)-5,6,21,23-tetrahydroxy-27-methoxy-2,4,11,16,20,22,24,26-octamethyl-2,7-(epoxypentadeca[1,11,13]trienimino)benzofuro[4,5-e]pyrido[1,2-a]benzimidazole-1,15(2H)-dione
Molecular Weight	785.88
Chemical structure	
Molecular Formula	C ₄₃ H ₅₁ N ₃ O ₁₁
CAS Number	80621-81-4
PubChem identifier	6436173
SMILES	<chem>C[C@H]1/C=C/C=C(\C(=O)NC2=C(C3=C(C4=C(C(=C3O)C)O[C@@](C4=O)(O/C=C/[C@@H]([C@H]([C@H]([C@@H]([C@@H]([C@@H]([C@H]1O)C)O)C)OC(=O)C)OC)C)C5=C2N6C=CC(=CC6=N5)C)O)/C</chem>
InChiKey	NZCRJKRKKOLAOJ-XWSQLESMSA-N
MDL number	MFCD00864973
Appearance	Orange