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DATASHEET

Leptomycin B

Product overview

Name	Leptomycin B
Cat No	HB4219
Alternative names	CI 940, LMB
Biological action	Inhibitor
Purity	>98%
Description	Antibiotic. Inhibits nuclear export of proteins.

Biological Data

Biological description	Antibiotic. Binds and inhibits the CRM1 protein to inhibit nuclear export of proteins. Shown to inhibit the nuclear export of the HIV regulatory protein Rev. Also shows antifungal activity.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in ethanol
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	(2E,5S,6R,7S,9R,10E,12E,15R,16Z,18E)-19-[(2S,3S)-3,6-Dihydro-3-methyl-6-oxo-2H-pyran-2-yl]-17-ethyl-6-hydroxy-3,5,7,9,11,15-hexamethyl-8-oxo-2,10,12,16,18-nonadecapentaenoic acid
Molecular Weight	540.74
Chemical structure	
Molecular Formula	C ₃₃ H ₄₈ O ₆
CAS Number	87081-35-4
PubChem identifier	6917907
SMILES	<chem>CC/C(=C/[C@H](C)C/C=C/C(=C/[C@@H](C)C(=O)[C@@H](C)[C@@H]([C@@H](C)C/C(=C/C(=O)O)/C)O)/C=C/[C@H]1[C@H](C=CC(=O)O1)C</chem>
InChiKey	YACHGFWEQXFSBS-XYERBDPFSAN
MDL number	MFCD06795848
Appearance	White to off-white