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DATASHEET

Manzamine A

Product overview

Name	Manzamine A
Cat No	HB3969
Purity	>98%
Description	Antibiotic with antibacterial activity

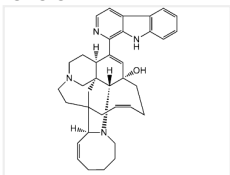
Biological Data

Biological description	Antibiotic. Antibacterial against Gram positive and Gram negative bacteria. Exhibits chemotherapeutic activity. Blocks tumor cell invasion and restores cancer cell susceptibility to apoptosis in vitro. Uncouples vacuolar ATPases, inhibiting autophagy and tumor growth. Antimalaria, antifungal and antiviral agent. GSK-3beta inhibitor. Anti-Alzheimer's agent. Decreased tau hyperphosphorylation. Anti-hyperlipidemic. Inhibits cholesterol ester formation and acyl-CoA:cholesterol acyl-transferase (ACAT) activity in vitro and decreases total cholesterol, triglycerides and LDL levels. Anti-atherosclerotic. Inhibits foam cell formation in macrophages.
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Solubility & Handling

Storage instructions	+4 °C
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

Molecular Weight	548.8
Chemical structure	
CAS Number	104196-68-1
PubChem identifier	0
SMILES	<chem>O[C@@]12CC\C=C/CCCCN3CC[C@@H](C(=C1)c4nccc5c4[nH]c6cccc56)[C@]7(C[C@@H]8\C=C/C/CCCCN8C27)C3</chem>
InChiKey	CSJUQSWULVSLGK-ILRBDQACSA-N
Appearance	Yellow oil