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## DATASHEET

Manzamine A

### Product overview

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

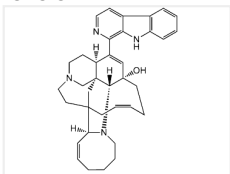
### Biological Data

<b>Biological description</b>	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

<b>Storage instructions</b>	+4 °C
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Molecular Weight</b>	548.8
<b>Chemical structure</b>	
<b>CAS Number</b>	104196-68-1
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>O[C@@]12CC\C=C/CCCCN3CC[C@@H](C(=C1)c4nccc5c4[nH]c6ccccc56)[C@]7(C[C@@H]8\C=C/C/CCCCN8C27)C3</chem>
<b>InChiKey</b>	CSJUQSWULVSLGK-ILRBDQACSA-N
<b>Appearance</b>	Yellow oil