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## DATASHEET

### Nargenicin A1

#### Product overview

<b>Name</b>	Nargenicin A1
<b>Cat No</b>	HB3989
<b>Biological action</b>	Antibiotic
<b>Purity</b>	>98%
<b>Description</b>	Antibiotic effective against gram-positive bacteria

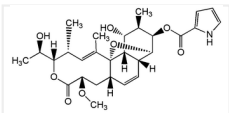
#### Biological Data

<b>Biological description</b>	Antibiotic against Gram-positive bacteria, particularly Staphylococcus and Clostridia. More effective against multi-resistant strains (MRSA) than erythromycin and vancomycin. Inhibits cell proliferation and induces HL-60 cell differentiation in combination with 1,25-Dihydroxyvitamin-D3 and ATRA. Displays low cytotoxicity compared to erythromycin and spiramycin.
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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>	515.6
<b>Chemical structure</b>	
<b>CAS Number</b>	70695-02-2
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>CO[C@@H]1C[C@H]2C=C[C@H]3[C@H]4O[C@@]2([C@@H]3[C@H](O)[C@@H](C)[C@H]4OC(=O)c5[nH]ccc5)\C(=C\C[C@@H](C)[C@@H](OC1=O)C(C)O)C</chem>
<b>InChiKey</b>	YEUSSARNQQYBKH-SIMZXIQRSA-N
<b>Appearance</b>	Off-white powder