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## DATASHEET

Malformin A1

### Product overview

<b>Name</b>	Malformin A1
<b>Cat No</b>	HB3965
<b>Purity</b>	>95%
<b>Description</b>	Peptide antibiotic. Plant growth stimulator.

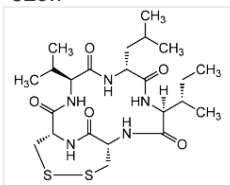
### Biological Data

<b>Biological description</b>	Peptide antibiotic. Antibacterial. Plant growth stimulator. Induces root curvature and malformation in plants. Mycotoxin. Prevents interleukin-1 (IL-1) induced endothelial changes by inhibition of protein synthesis. Inhibitor of interleukin-1 beta (IL1 beta) binding to its receptor. Enhancer of cellular fibrinolytic activity. Disrupts the cell cycle at the G2 checkpoint of cancer cells, leading to sensitization of the cancer cells to anti-cancer reagents. Anticancer compound. Cytotoxic against several cancer cell lines. Antimalarial and antitrypanosomal. Inhibitor of BRAF-mutated melanoma cell lines.
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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>	529.7
<b>Chemical structure</b>	
<b>CAS Number</b>	3022-92-2
<b>PubChem identifier</b>	0
<b>SMILES</b>	<chem>CCC(C)C1NC(=O)C(CC(C)C)NC(=O)C(NC(=O)C2CSSCC(NC1=O)C(=O)N2)C(C)C</chem>
<b>InChiKey</b>	BEZOVWRERTMCU-VEXWFWOFS-A-N
<b>Appearance</b>	White solid