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DATASHEET

Malformin A1

Product overview

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

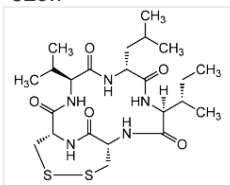
Biological Data

Biological description	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

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	529.7
Chemical structure	
CAS Number	3022-92-2
PubChem identifier	0
SMILES	<chem>CCC(C)C1NC(=O)C(CC(C)C)NC(=O)C(NC(=O)C2CSSCC(NC1=O)C(=O)N2)C(C)C</chem>
InChIKey	BEZOVWRERTMCU-VEXWFWOFS-A-N
Appearance	White solid