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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. Antibcaterial. 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.

Solubility & Handling

Storage instructions Storage of solutions +4°C

Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions

Important

Stable for ambient temperature shipping. Follow storage instructions on receipt.

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 Chemical structure 529.7

CH₃ O CH₃

CH₃ O CH₃

NH HN CH₃

C

CAS Number PubChem identifier

PubChem identifi SMILES InChiKey Appearance 3022-92-2

BEZOVOWRERTMCU-VEXWFWOFSA-N

White solid