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# **DATASHEET**

Malformin C

### **Product overview**

 Name
 Malformin C

 Cat No
 HB3966

 Purity
 >95%

**Description** Antibiotic. Potent G2 checkpoint cell cycle arrest inhibitor

## **Biological Data**

**Biological description** Peptide antibiotic. Induces root curvature and malformation in plants. Antibacterial. Disrupts the cell

cycle at the G2 checkpoint of cancer cells, leading to sensitization of the cancer cells to anti-cancer

reagents.

# **Solubility & Handling**

Storage instructions

+4°C

**Storage of solutions**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

HN

HN

HN

CH3

CH3

CH3

CH3

S9926-78-2

CAS Number
PubChem identifier

SMILES

CC(C)C[C@H](NC(=O)[C@@H](CC(C)=C)NC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@@H](C)N)C(C)

=S)C(C)C)C(S)=O

InChiKey TZODYIWCRGWHQB-TZNCUMHOSA-N

Appearance White solid