Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



# **DATASHEET**

Meleagrin

#### **Product overview**

 Name
 Meleagrin

 Cat No
 HB3974

 Purity
 >90%

**Description** Mycotoxin. Alkaloid antibiotic.

### **Biological Data**

**Biological description** Mycotoxin. Alkaloid antibiotic. Bacterial enoyl-acyl carrier protein reductase (Fabl) inhibitor.

Antineoplastic activity. Moderate cytotoxicity against A-549 and HL-60 cell lines. Induces cell cycle arrest through G2/M phase, presumably by inhibiting tubulin polymerization. Antifouling agent against

the barnacle Balanus amphitrite.

### **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 433.5

H<sub>2</sub>C CH<sub>3</sub> OH

N H<sub>3</sub>CO N H

CAS Number

PubChem identifier

SMILES InChiKey Appearance 71751-77-4

 $CON1c2cccc2C3(C=C(O)C(=O)N4C(=C\colored{C}(c5[nH]cnc5)/C(=O)NC134)C(C)(C)C=C$ 

JTJJJLSLKZFEPJ-ZAYCRUKZSA-N

Colorless to white adhered film