Data Sheet (Cat.No.T36541)



Nornidulin

Chemical Properties

CAS No.: 33403-37-1

Formula: C19H15Cl3O5

Molecular Weight: 429.67

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description Nornidulin is a depsidone originally isolated from A. nidulans that has antibacterial

activity against M. tuberculosis and M. ranoe as well as antifungal activity against T. tonsurans and M. audouini. It also inhibits the growth of methicillin-resistant S. aureus (MRSA; MIC = $2 \mu g/ml$) and has larvicidal activity toward Artemia (LC50 = $1.7 \mu g/ml$). Nornidulin has cytotoxic activity in MOLT-3 cells (IC50 = $35.7 \mu M$) but not HuCCA-1,

HepG2, or A549 cells (IC50s = $>116.4 \mu M$).

Solubility Information

Solubility DMSO: Soluble

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3274 mL	11.6368 mL	23.2737 mL
5 mM	0.4655 mL	2.3274 mL	4.6547 mL
10 mM	0.2327 mL	1.1637 mL	2.3274 mL
50 mM	0.0465 mL	0.2327 mL	0.4655 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

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