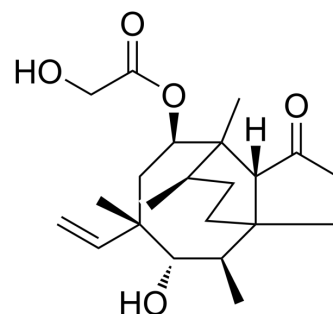


Pleuromutilin

Cat. No.:	HY-N2301		
CAS No.:	125-65-5		
Molecular Formula:	C ₂₂ H ₃₄ O ₅		
Molecular Weight:	378.5		
Target:	Bacterial; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (264.20 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6420 mL	13.2100 mL	26.4201 mL
	5 mM	0.5284 mL	2.6420 mL	5.2840 mL
	10 mM	0.2642 mL	1.3210 mL	2.6420 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 3 mg/mL (7.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 3 mg/mL (7.93 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 3 mg/mL (7.93 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pleuromutilin (Drosophilin B) inhibits bacterial protein synthesis by binding to the 50S ribosomal subunit of bacteria.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA