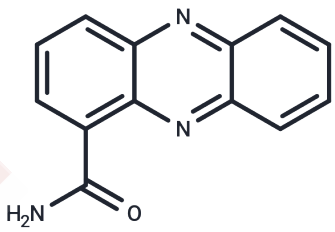
Data Sheet (Cat.No.T37009)

TargetMol

Oxychlororaphine

Chemical Properties



CAS No. : 550-89-0

Formula: C13H9N3O

Molecular Weight: 223.23

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Oxychlororaphine (phenazine-1-carboxamide) inhibits strongly the growth of Streptomyces sp. 441.
Targets(IC50)	Apoptosis,Bcl-2 Family,Caspase,Antibacterial,Antifungal,PARP,MDM-2/p53

Solubility Information

Solubility	DMSO: 10 mg/mL (44.8 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4797 mL	22.3984 mL	44.7968 mL
5 mM	0.8959 mL	4.4797 mL	8.9594 mL
10 mM	0.448 mL	2.2398 mL	4.4797 mL
50 mM	0.0896 mL	0.448 mL	0.8959 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

SIERRA G, VERINGA HA. Effect of oxychlororaphin on the growth in vitro of Streptomyces species and some pathogenic fungi. Nature. 1958 Jul 26;182(4630):265.
Anjaiah V, Cornelis P, Koedam N. Effect of genotype and root colonization in biological control of fusarium wilts in pigeonpea and chickpea by Pseudomonas aeruginosa PNA1. Can J Microbiol. 2003 Feb;49(2):85-91.

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