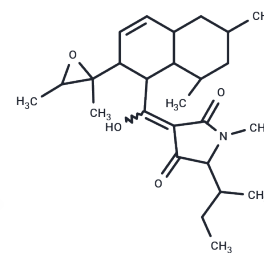


Antibiotic PF 1052

Chemical Properties

CAS No. :	147317-15-5
Formula:	C ₂₆ H ₃₉ N ₂ O ₄
Molecular Weight:	429.601
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	Antibiotic PF 1052 is a fungal metabolite originally isolated from Phoma. ^{1,2} It is active against <i>S. aureus</i> , <i>S. parvulus</i> , and <i>C. perfringens</i> (MICs = 3.13, 0.78, and 0.39 µg/ml, respectively), among others. ¹ It inhibits neutrophil migration in a wound assay using zebrafish larvae expressing GFP-labeled neutrophils, reducing pseudopodia formation and inducing rounding of neutrophils. ² Antibiotic PF 1052 is selective for neutrophil migration over macrophage migration in zebrafish larvae. It also inhibits the migration of murine neutrophils when used at concentrations of 10 and 20 µM.
Targets(IC50)	Others,Antibacterial,Antibiotic,Antifungal

Solubility Information

Solubility	DMSO: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	-------------------------------------------------------------------------------------------------------

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3277 mL	11.6387 mL	23.2775 mL
5 mM	0.4655 mL	2.3277 mL	4.6555 mL
10 mM	0.2328 mL	1.1639 mL	2.3277 mL
50 mM	0.0466 mL	0.2328 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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481