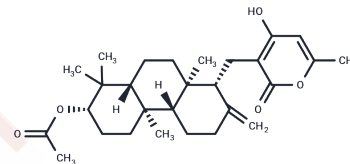


Aszonapyrone A

Chemical Properties

CAS No. :	83103-08-6
Formula:	C ₂₈ H ₄₀ O ₅
Molecular Weight:	456.623
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	Aszonapyrone A is a meroditerpene fungal metabolite that has been found in Neosartorya and has diverse biological activities. ^{1,2,3} It inhibits the growth of MCF-7, NCI H460, and A375-C5 cancer cells (GI ₅₀ s = 13.6, 11.6, and 10.2 μM, respectively). ¹ Aszonapyrone A is active against multidrug-resistant isolates of <i>S. aureus</i> , <i>E. faecalis</i> , and <i>E. faecium</i> (MICs = 8, 16, and 16 μg/ml, respectively) and inhibits <i>S. aureus</i> biofilm formation. ² It is also active against <i>P. falciparum</i> in vitro (IC ₅₀ = 1.34 μg/ml). ³
Targets(IC ₅₀)	Others, Antibacterial, Antifungal

Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.190 mL	10.950 mL	21.900 mL
5 mM	0.438 mL	2.190 mL	4.380 mL
10 mM	0.219 mL	1.095 mL	2.190 mL
50 mM	0.0438 mL	0.219 mL	0.438 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

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