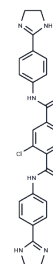


NSC-60339

Chemical Properties

CAS No. : 70-09-7
 Formula: C₂₆H₂₃ClN₆O₂
 Molecular Weight: 486.95
 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	NSC-60339 is an inhibitor of efflux pump, and a substrate of AcrAB-TolC, is a polybasic terephthalic acid derivative studied as a potential cancer chemotherapeutic agent.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 4.5 mg/mL (9.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0536 mL	10.268 mL	20.536 mL
5 mM	0.4107 mL	2.0536 mL	4.1072 mL
10 mM	0.2054 mL	1.0268 mL	2.0536 mL
50 mM	0.0411 mL	0.2054 mL	0.4107 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

- Haynes KM, et al. Identification and Structure-Activity Relationships of Novel Compounds that Potentiate the Activities of Antibiotics in Escherichia coli. J Med Chem. 2017 Jul 27;60(14):6205-6219.
- 2 Abdali N, et al. Reviving Antibiotics: Efflux Pump Inhibitors That Interact with AcrA, a Membrane Fusion Protein of the AcrAB-TolC Multidrug Efflux Pump. ACS Infect Dis. 2017 Jan 13;3(1):89-98.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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