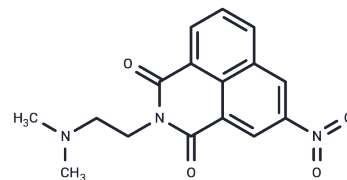


Mitonafide

Chemical Properties

CAS No. :	54824-17-8
Formula:	C ₁₆ H ₁₅ N ₃ O ₄
Molecular Weight:	313.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Mitonafide (NSC-300288) suppresses the activity of M. tuberculosis NAD ⁺ dependent DNA ligase A. Mitonafide is a DNA intercalating agent.
Targets(IC ₅₀)	Antibacterial

Solubility Information

Solubility	DMSO: 13 mg/ml (41.49 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1917 mL	15.9586 mL	31.9173 mL
5 mM	0.6383 mL	3.1917 mL	6.3835 mL
10 mM	0.3192 mL	1.5959 mL	3.1917 mL
50 mM	0.0638 mL	0.3192 mL	0.6383 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.

Reference

Korycka-Machala M, et al. Naphthalimides Selectively Inhibit the Activity of Bacterial, Replicative DNA Ligases and Display Bactericidal Effects against Tubercle Bacilli. *Molecules*. 2017 Jan 17;22(1). pii: E154.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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