

DCN-83

Chemical Properties

CAS No. :

Formula: C₂₀H₁₈BrN₃S

Molecular Weight: 412.35

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	DCN-83, a potent anti-leishmanial compound, exhibits its highest efficacy against the amastigote form, achieving an IC ₅₀ value of 0.71 μM. It also possesses the ability to permeate the blood-brain barrier, impacting the central nervous system [1].
Targets(IC ₅₀)	Parasite
In vitro	DCN-83 exhibits no AMES toxicity or hepatotoxicity [1]. Additionally, it has a mild inhibitory effect on the J774.A1 macrophage cells, with a CC ₅₀ value of 84.73 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4251 mL	12.1256 mL	24.2512 mL
5 mM	0.485 mL	2.4251 mL	4.8502 mL
10 mM	0.2425 mL	1.2126 mL	2.4251 mL
50 mM	0.0485 mL	0.2425 mL	0.485 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

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