

DNDI-0690

Chemical Properties

CAS No. : 2097881-13-3
Formula: C₁₈H₁₅FN₄O₄
Molecular Weight: 370.34
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	DNDI-0690 is a potent and orally active analogue of DNDI-VL-2098, demonstrating significant efficacy against cutaneous leishmaniasis (CL). It exhibits notable in vitro activity against Leishmania parasites responsible for CL, with an EC ₅₀ of 0.17 μM for visceral leishmaniasis and an EC ₅₀ of less than 5 μM for the causative parasites of CL. Additionally, DNDI-0690 is effective in a L. major CL mouse model and is applicable for research in CL.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7002 mL	13.5011 mL	27.0022 mL
5 mM	0.540 mL	2.7002 mL	5.4004 mL
10 mM	0.270 mL	1.3501 mL	2.7002 mL
50 mM	0.054 mL	0.270 mL	0.540 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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