

DNDI-6148

Chemical Properties

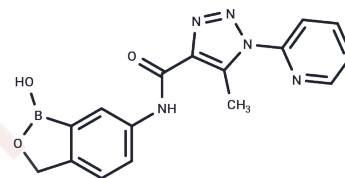
CAS No. : 2243909-59-1

Formula: C₁₆H₁₄BN₅O₃

Molecular Weight: 335.13

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-6148 has anti-experimental cutaneous leishmaniasis activity and can be used to study visceral leishmaniasis by inhibiting Leishmania protozoa cleavage and polyadenylation-specific factor (CPSF3) endonuclease.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9839 mL	14.9196 mL	29.8392 mL
5 mM	0.5968 mL	2.9839 mL	5.9678 mL
10 mM	0.2984 mL	1.492 mL	2.9839 mL
50 mM	0.0597 mL	0.2984 mL	0.5968 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

Mowbray CE, et al. DNDI-6148: A Novel Benzoxaborole Preclinical Candidate for the Treatment of Visceral Leishmaniasis. J Med Chem. 2021 Nov 11;64(21):16159-16176.

Van Bocxlaer K, et al. Novel benzoxaborole, nitroimidazole and aminopyrazoles with activity against experimental cutaneous leishmaniasis. Int J Parasitol Drugs Drug Resist. 2019 Dec;11:129-138.

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