

IID432

## Chemical Properties

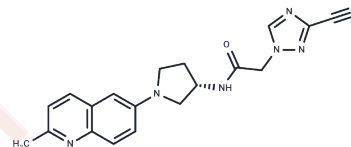
CAS No. :

Formula: C19H19N7O

Molecular Weight: 361.4

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	IID432 is a TopoII (topoisomerase II) inhibitor against Trypanosoma cruzi with an EC50 of 8 nM, achieving recurrence-free parasite clearance in chronic Chagas disease mouse models.
Targets(IC50)	Antibiotic, Topoisomerase
In vivo	IID432 (25 mg/kg; single dose) achieved recurrence-free parasite clearance in a chronic Chagas disease mouse model [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.767 mL	13.8351 mL	27.6702 mL
5 mM	0.5534 mL	2.767 mL	5.534 mL
10 mM	0.2767 mL	1.3835 mL	2.767 mL
50 mM	0.0553 mL	0.2767 mL	0.5534 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

H Rachel Lagiakos, et al. Discovery of IID432: A highly efficacious and safe cyanotriazole inhibitor of Trypanosoma cruzi topoisomerase II for short-duration curative treatment of Chagas disease. ACS. 2025 Aug 20.

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