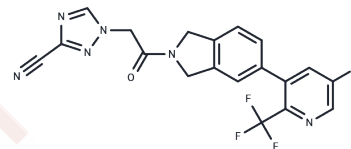


Topoisomerase II inhibitor 16

Chemical Properties

CAS No. :	2403729-27-9
Formula:	C ₁₉ H ₁₂ F ₄ N ₆ O
Molecular Weight:	416.33
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Topoisomerase II inhibitor 16 (compound CT3) is a selective, irreversible trypanosomal topoisomerase II inhibitor with oral activity and blood-brain barrier permeability. It stabilizes the double-stranded DNA-enzyme cleavage complex and can be used in Chagas disease research.
Targets(IC50)	Anti-infection, Topoisomerase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4019 mL	12.0097 mL	24.0194 mL
5 mM	0.4804 mL	2.4019 mL	4.8039 mL
10 mM	0.2402 mL	1.201 mL	2.4019 mL
50 mM	0.048 mL	0.2402 mL	0.4804 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

Srinivasa P S Rao, et al. Cyanotriazoles are selective topoisomerase II poisons that rapidly cure trypanosome infections. *Science*. 2023 Jun 30;380(6652):1349-1356.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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