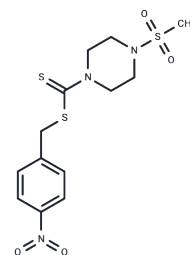


Antiparasitic agent-10

Chemical Properties

CAS No. :	2138480-87-0
Formula:	C13H17N3O4S3
Molecular Weight:	375.49
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	Antiparasitic agent-10 (Compound 94) is a potent anti-parasitic agent with significant anti-schistosomal activity, particularly against adult <i>Schistosoma mansoni</i> , making it a promising candidate for Schistosomiasis research as a treatment option [1].
Targets(IC50)	Others,Parasite
In vitro	Antiparasitic agent-10, at a concentration of 100 μ M over an incubation period of 72 hours, has been demonstrated to be non-cytotoxic in two human cell lines, HepG2 and LS174T, with effective cytotoxicity observed at concentrations above 100 μ M [1]. Moreover, this compound induces significant tegument damages and gut dilatations, highlighting its potential antiparasitic activity without compromising the viability of the human cells within the tested conditions.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6632 mL	13.3159 mL	26.6319 mL
5 mM	0.5326 mL	2.6632 mL	5.3264 mL
10 mM	0.2663 mL	1.3316 mL	2.6632 mL
50 mM	0.0533 mL	0.2663 mL	0.5326 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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