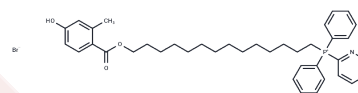


Antitrypanosomal agent 26

Chemical Properties

CAS No. :	2601665-22-7
Formula:	C39H49BrNO3P
Molecular Weight:	690.69
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	Antitrypanosomal agent 26 (Compound 1) is an allosteric inhibitor of trypanosome alternative oxidase (TAO). It exhibits potent activity against African trypanosomes, such as <i>Trypanosoma brucei</i> , with an IC50 value of 1.3 nM for recombinant TAO. The compound disrupts the mitochondrial electron transport chain of trypanosomes and inhibits glucose-dependent respiration. Antitrypanosomal agent 26 shows potential for research in treating African animal trypanosomiasis, including bovine trypanosomiasis.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4478 mL	7.2391 mL	14.4783 mL
5 mM	0.2896 mL	1.4478 mL	2.8957 mL
10 mM	0.1448 mL	0.7239 mL	1.4478 mL
50 mM	0.029 mL	0.1448 mL	0.2896 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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