

Antileishmanial agent-14

Chemical Properties

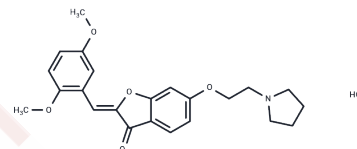
CAS No. : 1638956-72-5

Formula: C₂₃H₂₆ClNO₅

Molecular Weight: 431.91

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	Antileishmanial agent-14, a sulfuretin analog, exhibits potential activity against <i>Leishmania donovani</i> promastigotes (IC ₅₀ = 4.1 μM) and inhibits infection by <i>L. donovani</i> amastigotes (IC ₅₀ = 11.1 μM) [1].
Targets(IC ₅₀)	Parasite
In vitro	Antileishmanial agent-14 (compound 2o) inhibited <i>L. donovani</i> amastigotes at 25 μM and 50 μM with rates of 116% and 115%, respectively, and reduced parasite burden with an IC ₅₀ of 4.6 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3153 mL	11.5765 mL	23.153 mL
5 mM	0.4631 mL	2.3153 mL	4.6306 mL
10 mM	0.2315 mL	1.1576 mL	2.3153 mL
50 mM	0.0463 mL	0.2315 mL	0.4631 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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