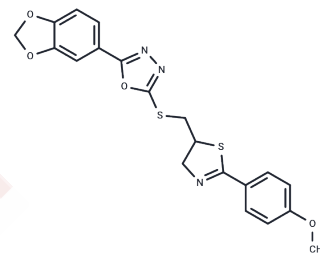


Antileishmanial agent-23

Chemical Properties

CAS No. :	745033-86-7
Formula:	C ₂₀ H ₁₇ N ₃ O ₄ S ₂
Molecular Weight:	427.5
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-23 (compound G1/9), a potent and selective trypanothione reductase (TR) inhibitor, exhibits an IC ₅₀ of 2.24 ± 0.52 μM and effectively inhibits the growth of Leishmania, Trypanosoma cruzi, and Trypanosoma brucei [1].
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3392 mL	11.6959 mL	23.3918 mL
5 mM	0.4678 mL	2.3392 mL	4.6784 mL
10 mM	0.2339 mL	1.1696 mL	2.3392 mL
50 mM	0.0468 mL	0.2339 mL	0.4678 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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