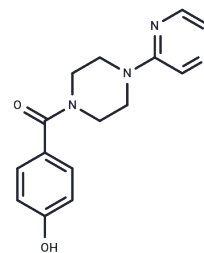


Antiparasitic agent-27

Chemical Properties

CAS No. :	3048504-54-4
Formula:	C15H16N4O2
Molecular Weight:	284.31
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-27 (Compound 2) is a potent antiparasitic compound targeting <i>Leishmania infantum</i> with an IC ₅₀ of 3.1 μM. It induces cell cycle arrest in the G ₀ /G ₁ phase and enhances reactive oxygen species (ROS) production to trigger programmed cell death, showing promise for visceral leishmaniasis (VL) research.
Targets(IC ₅₀)	Parasite,ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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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