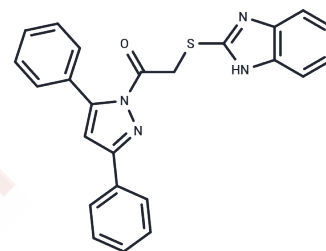


Antimalarial agent 50

Chemical Properties

CAS No. :	2384242-67-3
Formula:	C ₂₄ H ₁₈ N ₄ O ₅
Molecular Weight:	410.49
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	Antimalarial agent 50 is a compound that acts against malaria-causing parasites. In mouse models, it is effective against Plasmodium berghei-induced malaria infections. Antimalarial agent 50 modulates oxidative stress and significantly reduces inflammatory cytokine levels. This compound is applicable in malaria research.
Targets(IC50)	Parasite
In vivo	Antimalarial agent 50 (Compound 3a) administered intraperitoneally at doses of 200-800 µg/kg once daily for four days can dose-dependently reduce parasitic infection in mouse models of malaria and also possesses anti-inflammatory and antioxidant potential.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4361 mL	12.1806 mL	24.3611 mL
5 mM	0.4872 mL	2.4361 mL	4.8722 mL
10 mM	0.2436 mL	1.2181 mL	2.4361 mL
50 mM	0.0487 mL	0.2436 mL	0.4872 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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