

Antimalarial agent 42

Chemical Properties

CAS No. :

Formula: C₂₄H₄₂N₂

Molecular Weight: 358.6

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	Compound 42 (Compound 2), an antimalarial agent, effectively inhibits Plasmodium falciparum during the asexual blood stages (IC ₅₀ <0.5µM) and gametocytes (IC ₅₀ is 0.14 µM).
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7886 mL	13.9431 mL	27.8862 mL
5 mM	0.5577 mL	2.7886 mL	5.5772 mL
10 mM	0.2789 mL	1.3943 mL	2.7886 mL
50 mM	0.0558 mL	0.2789 mL	0.5577 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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