

WR 30090

Chemical Properties

CAS No. : 19160-62-4
Formula: C₂₅H₂₈Cl₄N₂O
Molecular Weight: 514.31
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	WR 30090 (Compound 37) is a broad-spectrum antimalarial agent that operates independently of the classical antifolate pathway. It shows significant activity against various strains of Plasmodium falciparum, both chloroquine-sensitive and -resistant, notably effective against the highly resistant Vietnamese strain. In rodent malaria tests, WR 30090 demonstrated high activity with a minimum effective dose of 5 mg/kg and a minimum curative dose of 20 mg/kg. This compound is useful for studying acute malaria.
Targets(IC50)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9444 mL	9.7218 mL	19.4435 mL
5 mM	0.3889 mL	1.9444 mL	3.8887 mL
10 mM	0.1944 mL	0.9722 mL	1.9444 mL
50 mM	0.0389 mL	0.1944 mL	0.3889 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.

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