

MED6-189

Chemical Properties

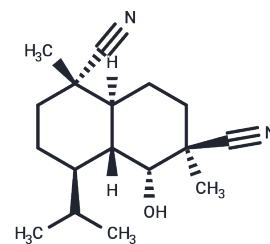
CAS No. : 2650073-66-6

Formula: C₁₇H₂₆N₂O

Molecular Weight: 274.40

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	MED6-189, an analog of kalihinol, disrupts the apicoplast functions and vesicular transport in the malignant malaria parasite (<i>P. falciparum</i> , IC ₅₀ < 50 nM). The compound specifically targets the apicoplast, which is a non-photosynthetic plastid essential for isoprenoid synthesis, found in most apicomplexan parasites.
Targets(IC ₅₀)	Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6443 mL	18.2216 mL	36.4431 mL
5 mM	0.7289 mL	3.6443 mL	7.2886 mL
10 mM	0.3644 mL	1.8222 mL	3.6443 mL
50 mM	0.0729 mL	0.3644 mL	0.7289 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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