

PfFAS-II inhibitor 1

Chemical Properties

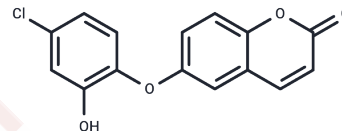
CAS No. : 1459704-68-7

Formula: C₁₅H₉ClO₄

Molecular Weight: 288.68

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	PfFAS-II Inhibitor 1 (Compound 3) serves as an inhibitor for the Plasmodium falciparum type II fatty acid biosynthesis pathway (PfFAS-II), demonstrating an IC ₅₀ value of 0.63 μM against the PfFabI enzyme. It exhibits antimalarial activity [1].
Targets(IC ₅₀)	Others,Parasite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.464 mL	17.3202 mL	34.6404 mL
5 mM	0.6928 mL	3.464 mL	6.9281 mL
10 mM	0.3464 mL	1.732 mL	3.464 mL
50 mM	0.0693 mL	0.3464 mL	0.6928 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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