

CWHM-1008

Chemical Properties

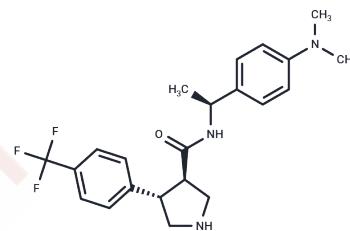
CAS No. : 2362539-97-5

Formula: C₂₂H₂₆F₃N₃O

Molecular Weight: 405.46

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	CWHM-1008 is an effective oral antimalarial drug. The EC ₅₀ values of the drug-sensitive Plasmodium falciparum 3D7 and drug-resistant Dd2 strains are 46 and 21 nM, respectively.
Targets(IC ₅₀)	Others,Parasite

Solubility Information

Solubility	DMSO: 250 mg/mL (616.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (8.14 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4663 mL	12.3317 mL	24.6633 mL
5 mM	0.4933 mL	2.4663 mL	4.9327 mL
10 mM	0.2466 mL	1.2332 mL	2.4663 mL
50 mM	0.0493 mL	0.2466 mL	0.4933 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.

Reference

Meyers MJ, et al. 4-Aryl Pyrrolidines as a Novel Class of Orally Efficacious Antimalarial Agents. Part 1: Evaluation of 4-Aryl- N-benzylpyrrolidine-3-carboxamides. J Med Chem. 2019 Mar 22.

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