

CWHM-1008

Chemical Properties

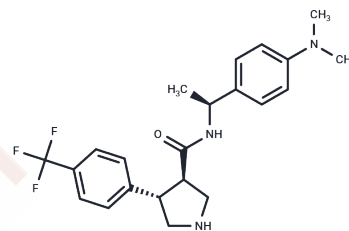
CAS No. : 2362539-97-5

Formula: C₂₂H₂₆F₃N₃O

Molecular Weight: 405.46

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

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

Solubility Information

Solubility	DMSO: 250 mg/mL (616.58 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

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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