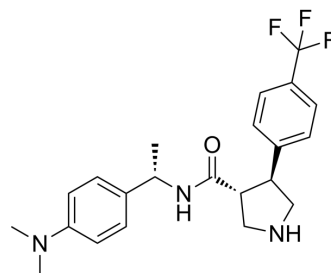


CWHM-1008

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-111746 | | |
| CAS No.: | 2362539-97-5 | | |
| Molecular Formula: | C ₂₂ H ₂₆ F ₃ N ₃ O | | |
| Molecular Weight: | 405.46 | | |
| Target: | Parasite | | |
| Pathway: | Anti-infection | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

| | | | | | |
|---|---|--------------------------|--------------|------------|------------|
| In Vitro | DMSO : 250 mg/mL (616.58 mM; Need ultrasonic) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 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 | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | |
| In Vivo | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.13 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.13 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|--|
| Description | CWHM-1008 is a potent and orally active antimalarial agent, with EC ₅₀ values of 46 and 21 nM against agent-sensitive Plasmodium falciparum 3D7 and drug-resistant Dd2 strains, respectively ^[1] . |
| IC₅₀ & Target | Plasmodium |

CUSTOMER VALIDATION

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- J Oncol. 11 Sep 2021.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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