
Product Data Sheet

Product Name: CWHM-1552

Cat. No.: GC35760

Chemical Properties

Cas. No. 2368253-58-9

SMILES CN(C)C1=CC=C(CC(N[C@@H]2CNC[C@H]2C3=CC=C(C(F)(C)F)C=C3)=O)C=C1

| | | | |
|---------|---|------|--------|
| Formula | C ₂₂ H ₂₇ F ₂ N ₃ O | M.Wt | 387.47 |
|---------|---|------|--------|

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|------------|-----------------|---------|----------------|
| Solubility | Soluble in DMSO | Storage | Store at -20°C |
|------------|-----------------|---------|----------------|

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

CWHM-1552 is an orally efficacious inhibitor of *P. falciparum* with IC₅₀s of 51 nM and 53 nM for 3D7 and Dd2 strain, respectively[1]. IC₅₀: 51 nM (3D7 strain) and 53 nM (Dd2 strain)[1]

CWHM-1552 (Compound (-)-32a) (orally; 3-30 mg/kg/day for 4 days) inhibits parasitemia at 99.9% at 30 mg/kg/day and 94% at 10 mg/kg/day[1]. CWHM-1552 (i.v. administration; 2 mg/kg/day for 48 hours) has respectable half-lives (2.7 h) and low clearance in mice[1]. CWHM-1552 has good pharmacokinetic properties and oral efficacy in a mouse model of malaria. CWHM-1552 has an in vivo ED₉₀ of *P. chabaudi* ASS infected Mice[1]

[1]. Meyers MJ, et al. 4-Aryl Pyrrolidines as Novel Orally Efficacious Antimalarial Agents. Part 2: 2-Aryl-N-(4-arylpyrrolidin-3-yl) acetamides. ACS Med Chem Lett. 2019 May, 10(6):966-971.

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

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