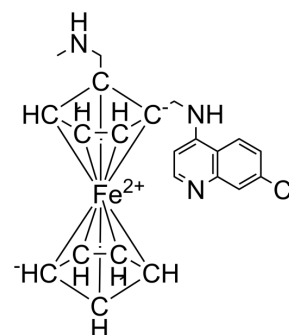


Desmethyl ferroquine

Cat. No.:	HY-135847		
CAS No.:	903546-18-9		
Molecular Formula:	C ₂₂ H ₂₂ ClFeN ₃		
Molecular Weight:	419.73		
Target:	Drug Metabolite; Parasite		
Pathway:	Metabolic Enzyme/Protease; 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 : 2.5 mg/mL (5.96 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
1 mM			2.3825 mL	11.9124 mL	23.8248 mL
5 mM			0.4765 mL	2.3825 mL	4.7650 mL
10 mM			---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Desmethyl ferroquine (SSR97213) is the active and major metabolite of Ferroquine. Ferroquine is an antimalarial. Desmethyl ferroquine shows significant activity against Chloroquine-susceptible and resistant *P. falciparum* strains^[1].

IC₅₀ & Target

Plasmodium

In Vitro

The estimate of the apparent terminal half-life of Ferroquine is 15.9 days. However, the equally active principal metabolite Desmethyl ferroquine (DMFQ) has a longer t_{1/2z}, with an overall mean estimate of 31.4 days^[1].
 MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Supan C, et al. Pharmacokinetics of ferroquine, a novel 4-aminoquinoline, in asymptomatic carriers of Plasmodium falciparum infections. Antimicrob Agents

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA