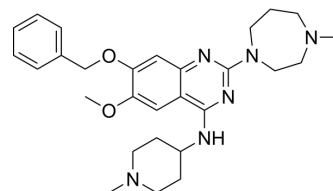


TM2-115

Cat. No.:	HY-121493		
CAS No.:	1197196-47-6		
Molecular Formula:	C ₂₈ H ₃₈ N ₆ O ₂		
Molecular Weight:	490.64		
Target:	Histone Methyltransferase; Parasite		
Pathway:	Epigenetics; 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 : 100 mg/mL (203.82 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0382 mL	10.1908 mL	20.3815 mL
	5 mM	0.4076 mL	2.0382 mL	4.0763 mL
	10 mM	0.2038 mL	1.0191 mL	2.0382 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (5.10 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.10 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

TM2-115 inhibits malaria parasite histone methyltransferases, resulting in rapid and irreversible parasite death^[1].

REFERENCES

- [1]. Malmquist NA, et al. Small-molecule histone methyltransferase inhibitors display rapid antimalarial activity against all blood stage forms in *Plasmodium falciparum*. Proc Natl Acad Sci U S A. 2012 Oct 9;109(41):16708-13.

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

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