SR9186

Cat. No.: HY-120696

CAS No.: 1361414-26-7

Molecular Formula: $C_{26}H_{18}N_6O$

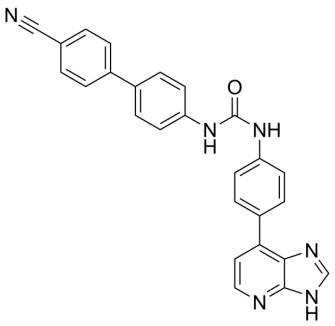
Molecular Weight: 430.46

Target: Cytochrome P450; 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 : 31.25 mg/mL (72.60 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3231 mL	11.6155 mL	23.2310 mL
	5 mM	0.4646 mL	2.3231 mL	4.6462 mL
	10 mM	0.2323 mL	1.1615 mL	2.3231 mL

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

BIOLOGICAL ACTIVITY

Description

SR9186 (ML368) is a potent CYP3A4 inhibitor with IC_{50} s for inhibition of midazolam → 1'hydroxymidazolam, testosterone → 6 β-hydroxytestosterone, and vincristine → vincristine M1 of 9, 4, and 38 nM, respectively. SR-9186 inhibits liver-stage development of P. falciparum to block ivermectin metabolism[1].

IC_{50} & Target		
	Plasmodium	CYP3

REFERENCES

[1]. Xiaohai Li, et al. Discovery of a highly selective CYP3A4 inhibitor suitable for reaction phenotyping studies and differentiation of CYP3A4 and CYP3A5. Drug Metab Dispos. 2012 Sep;40(9):1803-9.

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