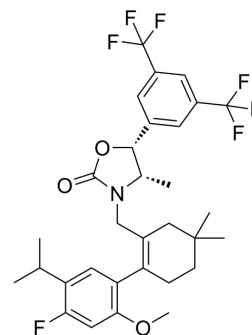


CKD-519

Cat. No.:	HY-116078		
CAS No.:	1402796-27-3		
Molecular Formula:	C ₃₁ H ₃₄ F ₇ NO ₃		
Molecular Weight:	601.6		
Target:	CETP		
Pathway:	Metabolic Enzyme/Protease		
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 : 66.67 mg/mL (110.82 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.6622 mL	8.3112 mL	16.6223 mL
		5 mM	0.3324 mL	1.6622 mL	3.3245 mL
	10 mM	0.1662 mL	0.8311 mL	1.6622 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.16 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	CKD-519 is a selective and potent cholesteryl ester transfer protein (CETP) inhibitor, which inhibits CETP-mediated transfer of cholesteryl ester in human serum with an IC ₅₀ of 2.3 nM ^[1] .
IC₅₀ & Target	IC ₅₀ : 2.3 nM (Cholesteryl ester transfer protein) ^[1]

REFERENCES

[1]. Kim CO, et al. Pharmacokinetics, pharmacodynamics and safety of CKD-519, a CETP inhibitor, in healthy subjects. Drug Des Devel Ther. 2016 Nov 15;10:3763-3770.

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

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