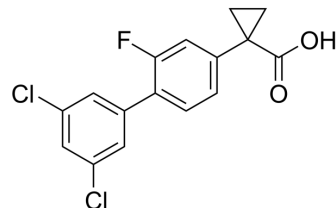


S07-1066

Cat. No.:	HY-155035		
CAS No.:	876625-29-5		
Molecular Formula:	C ₁₆ H ₁₁ Cl ₂ FO ₂		
Molecular Weight:	325.16		
Target:	Others		
Pathway:	Others		
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 (307.54 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0754 mL	15.3770 mL	30.7541 mL
		5 mM	0.6151 mL	3.0754 mL	6.1508 mL
10 mM		0.3075 mL	1.5377 mL	3.0754 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 (7.69 mM); Clear solution; Need ultrasonic and warming and heat to 80°C				

BIOLOGICAL ACTIVITY

Description	S07-1066 is an aldo-keto reductase 1C3 (AKR1C3) inhibitor, synergizing doxorubicin (DOX) cytotoxicity. S07-1066 selectively blocks AKR1C3-mediated reduction of DOX, and reverses the DOX resistance in overexpressing AKR1C3 cells ^[1] .
IC₅₀ & Target	AKR1C3 ^[1]

REFERENCES

[1]. He S, et al. Development of Biaryl-Containing Aldo-Keto Reductase 1C3 (AKR1C3) Inhibitors for Reversing AKR1C3-Mediated Drug Resistance in Cancer Treatment. J Med Chem. 2023 Jul 6.

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