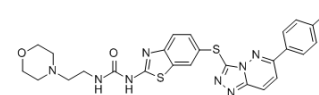


SAR125844

Cat. No.:	HY-16446		
CAS No.:	1116743-46-4		
Molecular Formula:	C ₂₅ H ₂₃ FN ₈ O ₂ S ₂		
Molecular Weight:	550.63		
Target:	c-Met/HGFR		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



Solvent & Solubility

In Vitro	DMSO : 45 mg/mL (81.72 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mg	
			1 mg	5 mg	10 mg
	1 mM		1.8161 mL	9.0805 mL	18.1610 mL
	5 mM		0.3632 mL	1.8161 mL	3.6322 mL
	10 mM		0.1816 mL	0.9081 mL	1.8161 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: ≥ 2.25 mg/mL (4.09 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	SAR125844 is a potent, highly selective, reversible and ATP-competitive MET receptor tyrosine kinase (RTK) inhibitor, with an IC ₅₀ of 4.2 nM. Shows inhibition of MET autophosphorylation in cell-based assays ^[1] .
IC ₅₀ & Target	IC ₅₀ : 4.2 nM (MET RTK) ^[1] .

REFERENCES

[1]. Egile C, et al. The selective intravenous inhibitor of the MET tyrosine kinase SAR125844 inhibits tumor growth in MET-amplified cancer. Mol Cancer Ther. 2015 Feb;14(2):384-94.

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

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