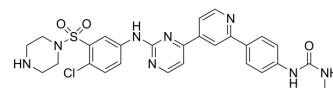


KVS0001

Cat. No.:	HY-161111
Molecular Formula:	C ₂₇ H ₂₇ ClN ₈ O ₃ S
Molecular Weight:	579.07
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 (172.69 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		1.7269 mL	8.6345 mL	17.2691 mL
		5 mM		0.3454 mL	1.7269 mL	3.4538 mL
		10 mM		0.1727 mL	0.8635 mL	1.7269 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.32 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	KVS0001 is a potent inhibitor of SMG1 and nonsense mediated decay (NMD) that has anti-tumor activity ^[1] .
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REFERENCES

[1]. Ashley L Cook, et al. Identification of nonsense-mediated decay inhibitors that alter the tumor immune landscape. bioRxiv. 2023 Dec 29:2023.12.28.573594.

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