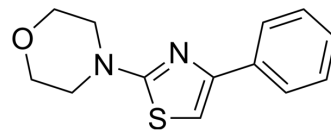


VPC-14228

Cat. No.:	HY-117669		
CAS No.:	19983-28-9		
Molecular Formula:	C ₁₃ H ₁₄ N ₂ OS		
Molecular Weight:	246.33		
Target:	Androgen Receptor		
Pathway:	Vitamin D Related/Nuclear Receptor		
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 (405.96 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.0596 mL	20.2980 mL	40.5959 mL
	5 mM	0.8119 mL	4.0596 mL	8.1192 mL
	10 mM	0.4060 mL	2.0298 mL	4.0596 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (10.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (10.15 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (10.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

VPC-14228 is a potent androgen receptor DNA binding domain (AR-DBD) inhibitor that interferes with the interaction of AR with androgen response elements and effectively blocks AR transcriptional activity. VPC-14228 can be used in prostate cancer research^[1].

REFERENCES

[1]. Kush Dalal, et al. Selectively targeting the DNA-binding domain of the androgen receptor as a prospective therapy for prostate cancer. J Biol Chem. 2014 Sep 19;289(38):26417-26429.

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

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