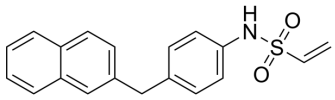
DC-TEADin02

Cat. No.:	HY-126621
CAS No.:	2380228-45-3
Molecular Formula:	$C_{19}H_{17}NO_2S$
Molecular Weight:	323.41
Target:	YAP
Pathway:	Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (309.21 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.0921 mL	15.4603 mL	30.9205 mL
	5 mM	0.6184 mL	3.0921 mL	6.1841 mL
	10 mM	0.3092 mL	1.5460 mL	3.0921 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 (7.73 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (7.73 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (7.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DC-TEADin02 is a potent TEAD autopalmitoylation inhibitor. DC-TEADin02 has TEAD autopalmitoylation inhibitory with the IC_{50} value of 197 nM. DC-TEADin02 can be used for the research of development, regeneration and tissue homeostasis[1].

In Vitro

DC-TEADin02 has TEAD autopalmitoylation inhibitory with the IC_{50} value of 197 nM[1].
DC-TEADin02 (0-25 μM) inhibits TEADs transcription activity leading to downregulation of YAP-related downstream gene expression[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wenchao Lu, et al. Discovery and biological evaluation of vinylsulfonamide derivatives as highly potent, covalent TEAD autopalmitoylation inhibitors. Eur J Med Chem. 2019 Dec 15;184:111767.

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