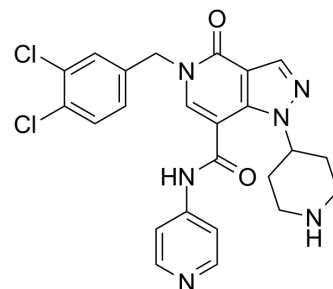


BDP-13176

Cat. No.:	HY-111578
CAS No.:	2290660-61-4
Molecular Formula:	C ₂₄ H ₂₂ Cl ₂ N ₆ O ₂
Molecular Weight:	497.38
Target:	Others
Pathway:	Others
Storage:	<div> <div>Powder</div> <div> -20°C 3 years 4°C 2 years </div> </div> <div> <div>In solvent</div> <div> -80°C 6 months -20°C 1 month </div> </div>



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (251.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.0105 mL	10.0527 mL	20.1054 mL
		5 mM		0.4021 mL	2.0105 mL	4.0211 mL
		10 mM		0.2011 mL	1.0053 mL	2.0105 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: ≥ 2.08 mg/mL (4.18 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.08 mg/mL (4.18 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.18 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	BDP-13176 is a potent fascin 1 inhibitor, with a K _d of 90 nM and an IC ₅₀ of 240 nM. BDP-13176 has potential as an anti-metastatic agent ^[1] .
In Vitro	BDP-13176 (0-1 μM) inhibits fascin 1 bundling activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Francis S, et al. Structure-based design, synthesis and biological evaluation of a novel series of isoquinolone and pyrazolo[4,3-c]pyridine inhibitors of fascin 1 as potential anti-metastatic agents. Bioorg Med Chem Lett. 2019;29(8):1023-1029.

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