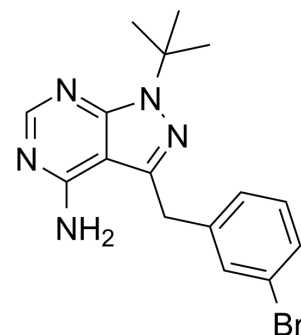


3BrB-PP1

Cat. No.:	HY-115741
CAS No.:	956025-99-3
Molecular Formula:	C ₁₆ H ₁₈ BrN ₅
Molecular Weight:	360.25
Target:	Others
Pathway:	Others
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 (277.59 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.7759 mL	13.8793 mL	27.7585 mL
				5 mM	0.5552 mL	2.7759 mL	5.5517 mL
				10 mM	0.2776 mL	1.3879 mL	2.7759 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 (6.94 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.94 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.94 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	3BrB-PP1 is an ATP-competitive analog. 3BrB-PP1 can specifically inhibit the activity of protein kinase with mutations in the ATP-binding pocket (mutation of Thr97 within Sty1's ATP-binding pocket) ^{[1][2]} .
-------------	---

REFERENCES

[1]. Tay YD, et, al. Fission Yeast NDR/LATS Kinase Orb6 Regulates Exocytosis via Phosphorylation of the Exocyst Complex. Cell Rep. 2019 Feb 5;26(6):1654-1667.e7.

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