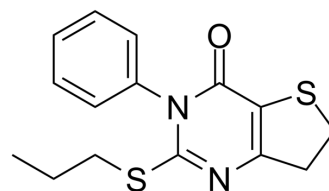


BC11-38

Cat. No.:	HY-108618
CAS No.:	686770-80-9
Molecular Formula:	C ₁₅ H ₁₆ N ₂ OS ₂
Molecular Weight:	304.43
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (109.48 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2848 mL	16.4241 mL	32.8483 mL
		5 mM	0.6570 mL	3.2848 mL	6.5697 mL
		10 mM	0.3285 mL	1.6424 mL	3.2848 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	BC11-38 is a potent, selective, and biologically active PDE11 inhibitor, with IC ₅₀ s of 0.28 μM and >100 μM for PDE11 and PDE1-10, respectively. BC11-38 elevates cAMP levels, PKA-mediated ATF-1 phosphorylation, and cortisol production in H295R cells ^[1] .
IC ₅₀ & Target	PDE11 0.28 μM (IC ₅₀)
In Vitro	BC11-38 (20 μM; hours) elevate cAMP levels in H295R adrenocortical cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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