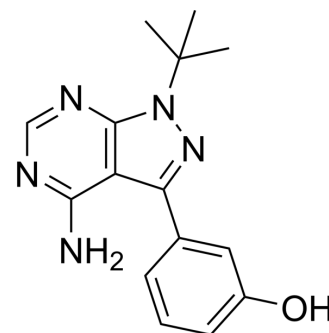


Hydroxy-PP

Cat. No.:	HY-155587
CAS No.:	833481-60-0
Molecular Formula:	C ₁₅ H ₁₇ N ₅ O
Molecular Weight:	283.33
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 110 mg/mL (388.24 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5295 mL	17.6473 mL	35.2945 mL
	5 mM	0.7059 mL	3.5295 mL	7.0589 mL
	10 mM	0.3529 mL	1.7647 mL	3.5295 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: ≥ 2.75 mg/mL (9.71 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.75 mg/mL (9.71 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Hydroxy-PP is a potent CBR1 inhibitor with an IC₅₀ value of 0.78 μM. Hydroxy-PP also potently inhibits the cytoplasmic tyrosine kinase Fyn with an IC₅₀ value of 5 nM^[1].

REFERENCES

- [1]. Tanaka M, et al. An unbiased cell morphology-based screen for new, biologically active small molecules. PLoS Biol. 2005 May;3(5):e128.

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

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