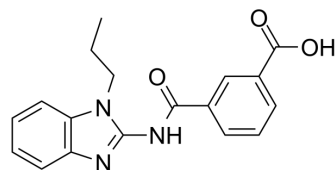


TAK1-IN-4

Cat. No.:	HY-122642
CAS No.:	1570374-32-1
Molecular Formula:	C ₁₈ H ₁₇ N ₃ O ₃
Molecular Weight:	323.35
Target:	MAP3K
Pathway:	MAPK/ERK Pathway
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 83.33 mg/mL (257.71 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.0926 mL	15.4631 mL	30.9262 mL
		5 mM	0.6185 mL	3.0926 mL	6.1852 mL
		10 mM	0.3093 mL	1.5463 mL	3.0926 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: ≥ 2.08 mg/mL (6.43 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	TAK1-IN-4 (Compound 14) is a TAK1 inhibitor ^[1] .
IC ₅₀ & Target	TAK1

REFERENCES

[1]. Emily Derbyshire, et al. Novel inhibitors of transforming growth factor kinase and methods of use thereof. Patent US20180105500A1.

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

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