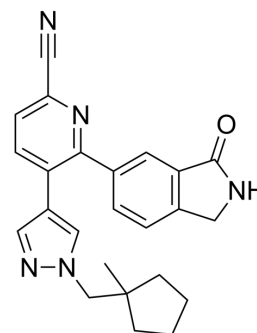


N-Demethyl MK-6884

Cat. No.:	HY-150018		
CAS No.:	2102194-36-3		
Molecular Formula:	C ₂₄ H ₂₃ N ₅ O		
Molecular Weight:	397.47		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 31.25 mg/mL (78.62 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.5159 mL	12.5796 mL	25.1591 mL
		5 mM	0.5032 mL	2.5159 mL	5.0318 mL
10 mM		0.2516 mL	1.2580 mL	2.5159 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.23 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.23 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.23 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	N-Demethyl MK-6884 (compound 34) is a potent M4 mAChR allosteric modulator. N-Demethyl MK-6884 can be used in the studies of alzheimer's disease and other diseases mediated by the M4 mAChR ^[1] .
IC₅₀ & Target	M4 mAChR ^[1] .

REFERENCES

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

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