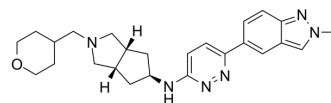


rel-VU6021625

Cat. No.:	HY-160440		
CAS No.:	2307718-96-1		
Molecular Formula:	C ₂₅ H ₃₂ N ₆ O		
Molecular Weight:	432.56		
Target:	Others		
Pathway:	Others		
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 : 100 mg/mL (231.18 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.3118 mL	11.5591 mL	23.1182 mL
	5 mM	0.4624 mL	2.3118 mL	4.6236 mL
	10 mM	0.2312 mL	1.1559 mL	2.3118 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: 2.5 mg/mL (5.78 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (5.78 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 2.5 mg/mL (5.78 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

rel-VU6021625 is the less active relative configuration of VU6021625 (HY-160440A). VU6021625 is a potent and selective mAChR M4 antagonist with IC₅₀ values of 0.44 nM and 57 nM for human M4, rat M4, respectively^[1].

REFERENCES

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

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