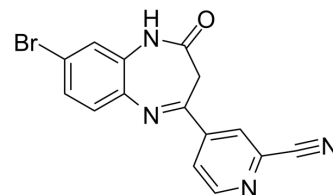


## MNI137

Cat. No.:	HY-103572		
CAS No.:	946619-21-2		
Molecular Formula:	C <sub>15</sub> H <sub>9</sub> BrN <sub>4</sub> O		
Molecular Weight:	341.16		
Target:	mGluR		
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 : 83.33 mg/mL (244.25 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9312 mL	14.6559 mL	29.3118 mL
	5 mM	0.5862 mL	2.9312 mL	5.8624 mL
	10 mM	0.2931 mL	1.4656 mL	2.9312 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

MNI137 is a potent and selective negative allosteric modulator for group II mGluRs. MNI137 has IC<sub>50</sub>s values of 8.3 and 12.6 nM for human and rat mGlu2 inhibition of glutamate-induced calcium mobilization<sup>[1]</sup>.

### REFERENCES

[1]. Hemstapat K, et al. A novel family of potent negative allosteric modulators of group II metabotropic glutamate receptors. *J Pharmacol Exp Ther.* 2007;322(1):254-264.

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

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