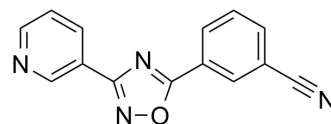


NS 9283

Cat. No.:	HY-110168
CAS No.:	913830-15-6
Molecular Formula:	C ₁₄ H ₈ N ₄ O
Molecular Weight:	248.24
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 16.67 mg/mL (67.15 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.0284 mL	20.1418 mL	40.2836 mL
	5 mM	0.8057 mL	4.0284 mL	8.0567 mL
	10 mM	0.4028 mL	2.0142 mL	4.0284 mL

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

BIOLOGICAL ACTIVITY

Description

NS9283 is a positive positive allosteric modulator of (α4)₃(β2)₂ nicotinic ACh receptors. NS9283 can be used in a series of neurological conditions such as attention deficit hyperactivity disorder (ADHD), schizophrenia, Parkinson's disease and Alzheimer's disease^[1].

REFERENCES

[1]. M Grupe, et al. Unravelling the mechanism of action of NS9283, a positive allosteric modulator of (α4)₃(β2)₂ nicotinic ACh receptors. Br J Pharmacol. 2013 Apr;168(8):2000-10.

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

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