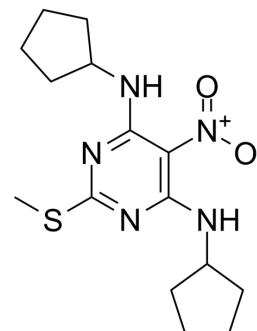


GS39783

Cat. No.:	HY-103475
CAS No.:	39069-52-8
Molecular Formula:	C ₁₅ H ₂₃ N ₅ O ₂ S
Molecular Weight:	337.44
Target:	GABA Receptor
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 : 25 mg/mL (74.09 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.9635 mL	14.8174 mL	29.6349 mL
				5 mM	0.5927 mL	2.9635 mL	5.9270 mL
				10 mM	0.2963 mL	1.4817 mL	2.9635 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.41 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.41 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	GS39783 is a positive allosteric modulator (PAM) of GABA _B R. Positive modulation of the GABA _B R can be used for the research of Nicotine addiction ^[1] .
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REFERENCES

[1]. Emmanuel Sturchler, et al. GABA B receptor allosteric modulators exhibit pathway-dependent and species-selective activity. Pharmacol Res Perspect. 2017 Mar 24;5(2):e00288.

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

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