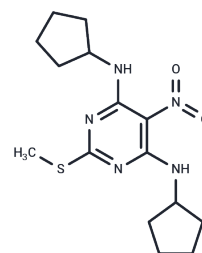


GS 39783

## Chemical Properties

CAS No. : 39069-52-8  
 Formula: C<sub>15</sub>H<sub>23</sub>N<sub>5</sub>O<sub>2</sub>S  
 Molecular Weight: 337.44  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



## Biological Description

Description	GS 39783 is a positive allosteric modulator (PAM) of GABABR, which reduces the motivational properties of alcohol and the conditioned reinforcement and conditional reward of psychostimulants.
Targets(IC50)	GABA Receptor

## Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 20 mg/mL (59.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.93 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9635 mL	14.8174 mL	29.6349 mL
5 mM	0.5927 mL	2.9635 mL	5.927 mL
10 mM	0.2963 mL	1.4817 mL	2.9635 mL
50 mM	0.0593 mL	0.2963 mL	0.5927 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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.

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