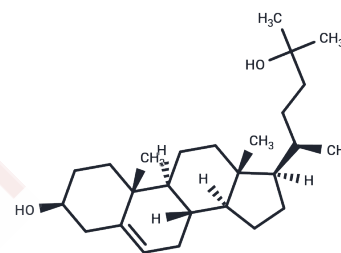


SGE-201

Chemical Properties

CAS No. : 35882-85-0
 Formula: C₂₆H₄₄O₂
 Molecular Weight: 388.63
 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	SGE-201 is an allosteric modulator of N-methyl-D-aspartate receptors. SGE-201 also unmasked differences among the blockers in neuronal networks - measured either by suppression of activity in multi-electrode arrays or by neuroprotection against a mild excitotoxic insult.
Targets(IC50)	Others,iGluR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5731 mL	12.8657 mL	25.7314 mL
5 mM	0.5146 mL	2.5731 mL	5.1463 mL
10 mM	0.2573 mL	1.2866 mL	2.5731 mL
50 mM	0.0515 mL	0.2573 mL	0.5146 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

Emnett CM, Eisenman LN, Mohan J, Taylor AA, Doherty JJ, Paul SM, Zorumski CF, Mennerick S. Interaction between positive allosteric modulators and trapping blockers of the NMDA receptor channel. *Br J Pharmacol.* 2015 Mar;172(5):1333-47. doi: 10.1111/bph.13007. Epub 2015 Jan 13. PubMed PMID: 25377730; PubMed Central PMCID: PMC4337705.

Paul SM, Doherty JJ, Robichaud AJ, Belfort GM, Chow BY, Hammond RS, Crawford DC, Linsenbardt AJ, Shu HJ, Izumi Y, Mennerick SJ, Zorumski CF. The major brain cholesterol metabolite 24(S)-hydroxycholesterol is a potent allosteric modulator of N-methyl-D-aspartate receptors. *J Neurosci.* 2013 Oct 30;33(44):17290-300. doi: 10.1523/JNEUROSCI.2619-13.2013. PubMed PMID: 24174662; PubMed Central PMCID: PMC3812502.

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