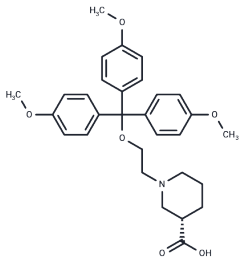
Data Sheet (Cat.No.T16831)

TargetMol

(S)-SNAP5114

Chemical Properties



CAS No. : 157604-55-2

Formula: C30H35NO6

Molecular Weight: 505.6

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	(S)-SNAP5114 is a selective inhibitor of GABA transport, exhibiting IC50 values of 5 μM for hGAT-3 and 21 μM for rGAT-2, and possesses anticonvulsant properties.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility	DMSO: 90 mg/mL (178.01 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: 3.3 mg/mL (6.53 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9778 mL	9.8892 mL	19.7785 mL
5 mM	0.3956 mL	1.9778 mL	3.9557 mL
10 mM	0.1978 mL	0.9889 mL	1.9778 mL
50 mM	0.0396 mL	0.1978 mL	0.3956 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

Borden LA, et al. Cloning of the human homologue of the GABA transporter GAT-3 and identification of a novel inhibitor with selectivity for this site. Receptors Channels. 1994;2(3):207-13.
Borden LA, et al. GABA transporter heterogeneity: pharmacology and cellular localization. Neurochem Int. 1996 Oct;29(4):335-56.

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