

Org 25543

Chemical Properties

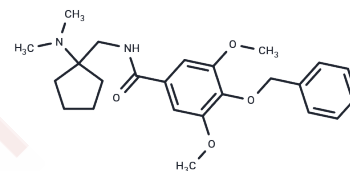
CAS No. : 363628-88-0

Formula: C₂₄H₃₂N₂O₄

Molecular Weight: 412.52

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	Org 25543 is the development of an N-Acyl amino acid that selectively inhibits the glycine transporter 2 to produce analgesia in a rat model of chronic pain.
Targets(IC50)	Chloride channel,GlyT

Solubility Information

Solubility	DMSO: 55 mg/mL (133.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4241 mL	12.1206 mL	24.2412 mL
5 mM	0.4848 mL	2.4241 mL	4.8482 mL
10 mM	0.2424 mL	1.2121 mL	2.4241 mL
50 mM	0.0485 mL	0.2424 mL	0.4848 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

Mostyn SN, et al. Development of an N-Acyl Amino Acid That Selectively Inhibits the Glycine Transporter 2 To Produce Analgesia in a Rat Model of Chronic Pain. J Med Chem. 2019 Mar 14;62(5):2466-2484.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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