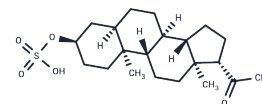


Pregnanolone sulfate (pyridinium)

Chemical Properties

CAS No. :	124107-39-7
Formula:	C ₂₆ H ₃₉ N ₀ S ₅
Molecular Weight:	477.66
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	Pregnanolone sulfate (pyridinium) is an endogenous neurosteroid that acts as an inhibitor of NMDA receptors, which reduces excitatory glutamatergic neurotransmission and conferring neuroprotective effects, and is frequently used in neuroscience research to study synaptic modulation, excitotoxicity, neurodegeneration, and the regulatory roles of neurosteroids in central nervous system disorders.
Targets(IC50)	NMDAR

Solubility Information

Solubility	DMSO: 80 mg/mL (167.48 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	2.0935 mL	10.4677 mL	20.9354 mL
5 mM	0.4187 mL	2.0935 mL	4.1871 mL
10 mM	0.2094 mL	1.0468 mL	2.0935 mL
50 mM	0.0419 mL	0.2094 mL	0.4187 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

Jirina Borovska, et al. Access of inhibitory neurosteroids to the NMDA receptor. 2011 The British Pharmacological Society.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481