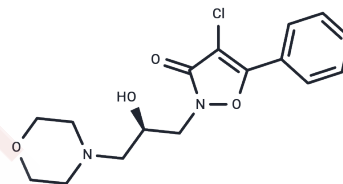


CS-722 Free base

Chemical Properties

CAS No. :	749179-13-3
Formula:	C ₁₆ H ₁₉ ClN ₂ O ₄
Molecular Weight:	338.79
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	CS-722 Free base is a synthetic central muscle relaxant exhibiting muscle relaxant effects and inhibition of spinal reflexes. In hippocampal cultures, CS-722 Free base may suppress spontaneous inhibitory and excitatory post-synaptic currents by inhibiting sodium and calcium currents.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 150 mg/mL (442.75 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	2.9517 mL	14.7584 mL	29.5168 mL
5 mM	0.5903 mL	2.9517 mL	5.9034 mL
10 mM	0.2952 mL	1.4758 mL	2.9517 mL
50 mM	0.059 mL	0.2952 mL	0.5903 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

- Tanabe M, et al. Preferential enhancement of inhibitory synaptic transmission by CS-722 in the ventral horn neurons of neonatal rat spinal cord. Eur J Pharmacol. 1996 Oct 17;313(3):187-9.
- Marszalec W, et al. The effects of the muscle relaxant, CS-722, on synaptic activity of cultured neurones. Br J Pharmacol. 1996 Sep;119(1):126-32.

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