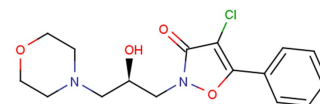


CS-722 Free base

Chemical Properties

CAS No.:	749179-13-3
Formula:	C ₁₆ H ₁₉ ClN ₂ O ₄
Molecular Weight:	338.79
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	CS-722 free base is a synthetic central muscle relaxant with muscle relaxant activity and inhibitory effect on spinal reflex. CS-722 free base may inhibit spontaneous inhibitory post-synaptic current and excitatory post-synaptic current in hippocampal culture by inhibiting sodium current and calcium current.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.952 mL	14.758 mL	29.517 mL
5 mM	0.59 mL	2.952 mL	5.903 mL
10 mM	0.295 mL	1.476 mL	2.952 mL
50 mM	0.059 mL	0.295 mL	0.59 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

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