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**Product Data Sheet**

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Product Name: CS-722 Free base

Cat. No.: GC35752

**Chemical Properties**

Cas. No. 749179-13-3

SMILES C1C=C(C2=CC=CC=C2)ON(C[C@H](O)CN3CCOCC3)C1=OFormula  $C_{16}H_{19}ClN_2O_4$  M.Wt 338.79

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

CS-722 Free base is a synthesized centrally acting muscle relaxant, and has a muscle relaxant activity and depressant effect on the spinal reflex[1]. CS-722 Free base inhibits spontaneous inhibitory postsynaptic currents and excitatory postsynaptic currents in hippocampal cultures probably by an inhibition of both sodium and calcium currents[2].

[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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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