Data Sheet (Cat.No.T12044)

TargetMol

(-)-Bicuculline methochloride

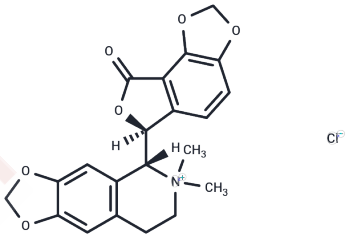
Chemical Properties

CAS No. : 53552-05-9

Formula: C21H20ClNO6

Molecular Weight: 417.84

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	(-)-Bicuculline methochloride is a potent antagonist of GABAA receptor.
Targets(IC50)	GABA Receptor
In vivo	In rat ,(-)-Bicuculline methochloride (0.6 nmol/rat) weaken the antiallodynic effect of Neurotropin[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3933 mL	11.9663 mL	23.9326 mL
5 mM	0.4787 mL	2.3933 mL	4.7865 mL
10 mM	0.2393 mL	1.1966 mL	2.3933 mL
50 mM	0.0479 mL	0.2393 mL	0.4787 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

Seutin V, et al. Recent advances in the pharmacology of quaternary salts of bicuculline. Trends Pharmacol Sci. 1999 Jul;20(7):268-70.

Okazaki R, et al. The antiallodynic effect of Neurotropin is mediated via activation of descending pain inhibitory systems in rats with spinal nerve ligation. Anesth Analg. 2008 Sep;107(3):1064-9.

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