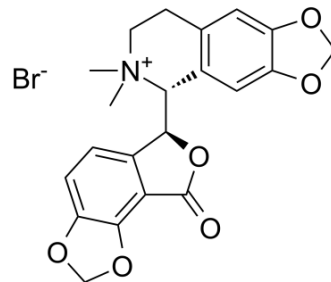


(-)-Bicuculline methobromide

Cat. No.:	HY-100783		
CAS No.:	73604-30-5		
Molecular Formula:	C ₂₁ H ₂₀ BrNO ₆		
Molecular Weight:	462.29		
Target:	GABA Receptor		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	(-)-Bicuculline methobromide (l-Bicuculline methobromide) is a potent GABA _A receptor antagonist. (-)-Bicuculline methobromide blocks afterhyperpolarizations (AHPs) mediated by Ca ²⁺ -activated K ⁺ channels in various types of neurons ^[1] .	
IC₅₀ & Target	GABA _A ^[1]	
In Vivo	(-)-Bicuculline methobromide (0.6 nmol/rat) attenuates the antiallodynic effect of Neurotropin ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Rat L5-SNL model ^[2]
	Dosage:	0.6 nmol/rat
	Administration:	Intrathecal injection, 5 minutes before administration of Neurotropin (100 NU/kg, i.v.)
	Result:	Attenuated the antiallodynic effect of Neurotropin.

REFERENCES

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

[2]. 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA