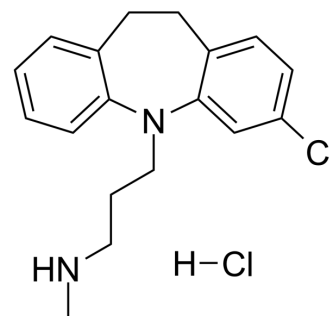


N-Desmethyl Clomipramine hydrochloride

Cat. No.:	HY-12388A
CAS No.:	29854-14-6
Molecular Formula:	C ₁₈ H ₂₂ Cl ₂ N ₂
Molecular Weight:	337.29
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (74.12 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9648 mL	14.8240 mL	29.6481 mL
	5 mM	0.5930 mL	2.9648 mL	5.9296 mL
	10 mM	0.2965 mL	1.4824 mL	2.9648 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

N-Desmethyl Clomipramine hydrochloride (Desmethylclomipramine hydrochloride) is a primary plasma N-desmethyl metabolite of Clomipramine. Clomipramine is a tricyclic antidepressant^{[1][2]}.

REFERENCES

[1]. Sioufi A, et al. Simultaneous determination of clomipramine and its N-desmethyl metabolite in human whole blood by capillary gas chromatography with mass-selective detection. *J Chromatogr.* 1988 Jun 24;428(1):71-80.

[2]. Härtter S, et al. Non-competitive inhibition of clomipramine N-demethylation by fluvoxamine. *Psychopharmacology (Berl).* 1995 Jan;117(2):149-53.

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