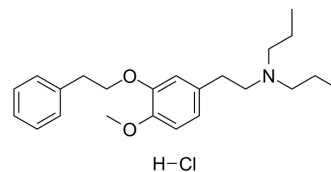


NE-100 hydrochloride

Cat. No.:	HY-101484A
CAS No.:	149409-57-4
Molecular Formula:	C ₂₃ H ₃₄ ClNO ₂
Molecular Weight:	391.97
Target:	Sigma Receptor
Pathway:	Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (637.80 mM; Need ultrasonic)
 H₂O : ≥ 100 mg/mL (255.12 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.5512 mL	12.7561 mL	25.5122 mL
	5 mM	0.5102 mL	2.5512 mL	5.1024 mL	
	10 mM	0.2551 mL	1.2756 mL	2.5512 mL	

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

BIOLOGICAL ACTIVITY

Description

NE-100 (hydrochloride) is a potent and selective sigma-1 receptor antagonist with an IC₅₀ of 4.16 nM. NE-100 (hydrochloride) exerts antipsychotic activity in vivo[1]. NE-100 (hydrochloride) also suppresses ER stress-induced hippocampal cell death[2].

REFERENCES

[1]. Ono Y, et al. A sigma-1 receptor antagonist (NE-100) prevents tunicamycin-induced cell death via GRP78 induction in hippocampal cells. *Biochem Biophys Res Commun.* 2013 May 17;434(4):904-9.

[2]. Okuyama S, et al. NE-100, a novel sigma receptor ligand: in vivo tests. *Life Sci.* 1993;53(18):PL285-90.

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