

NE-100, Selective sigma-1 antagonist

Catalog	Unit
TBI4200-5MG	5 mg
TBI4200-25MG	25 mg

Product Details

Formal Name: 4-Methoxy-3-(2-phenylethoxy)-N,N-dipropylbenzeneethanamine hydrochloride

Molecular Formula: C₂₃H₃₃NO₂·HCl

Formula Weight: 391.97

CAS Number: 149409-57-4

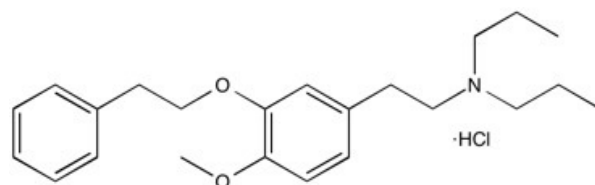
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to at least 25 mg/ml) or in Water (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Selective sigma-1 antagonist

Functions

NE-100 is potent inhibitor of the sigma receptor (σ) with selectivity for sigma-1 (IC₅₀ = 1.5 nM) over sigma-2 (IC₅₀ = 85 nM). NE-100 suppressed ischemia-induced neuronal cell death in mice via upregulation of GPR78 through the ATF6 pathway resulting in suppression of ER stress-induced cell death in a sigma 1 independent manner.

Application Procedures

First dissolved in DMSO (up to at least 25 mg/ml) or in Water (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.