

Lorcainide HCl, Voltage-gated sodium channel blocker

Catalog	Unit
TBI1157-5MG	5 mg
TBI1157-25MG	25 mg

Product Details

Formal Name: N-(4-Chlorophenyl)-2-phenyl-N-(1-propan-2-ylpiperidin-4-yl)acetamide hydrochloride

Molecular Formula: C₂₂H₂₇ClN₂O • HCl

Formula Weight: 407.38

CAS Number: 58934-46-6

Purity: >98%

Formulation: powder

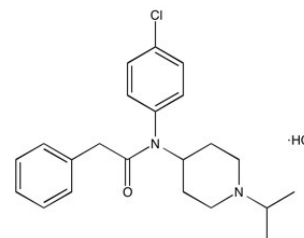
Solubility: Soluble in DMSO (up to 20 mg/ml), in Water (up to 20 mg/ml), or in Ethanol (up to 20 mg/ml).

Storage: -20°C

Stability: ≥ 1 year.

Applications

Voltage-gated sodium channel blocker



Functions

Voltage-gated Na⁺ channel blocker. Protects murine cultured cortical neurons from injury induced by oxygen-glucose deprivation. Acts at the ouabain binding site of guinea pig cardiac Na⁺/K⁺ ATPase and inhibits the enzyme (IC₅₀ = 34 μM).

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), in Water (up to 20 mg/ml), or in Ethanol (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO, distilled water or ethanol may be stored at -20°C for up to 1 month.

For research use only.