

BCTC, TRPV1 blocker

Catalog	Unit
TBI1086-10MG	10 mg
TBI1086-50MG	50 mg

Product Details

Formal Name: 4-(3-Chloro-2-pyridinyl)-N-[4-(1,1-dimethylethyl)phenyl]-1-piperazinecarboxamide

Molecular Formula: C₂₀H₂₅ClN₄O

Formula Weight: 372.90

CAS Number: 393514-24-4

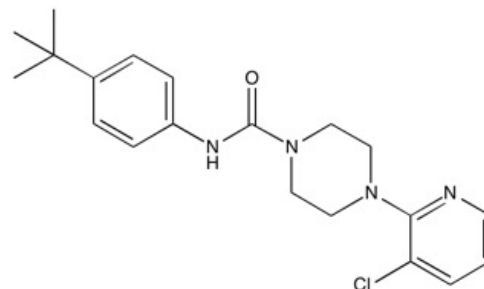
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml).

Storage: RT

Stability: ≥ 2 years.



Applications

TRPV1 blocker

Functions

Vanilloid receptor I (TRPV1) antagonist, IC₅₀ = 35 nM for capsaicin-induced and 6 nM for acid-induced TRPV1 activation. Displays analgesic activity in rat models of neuropathic pain. Orally active and cell permeable.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Ethanol (up to 15 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.