

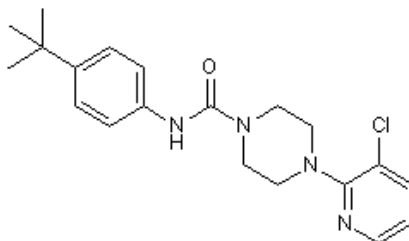
Catalog # 10-1086

BCTC

CAS# 393514-24-4

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

Lot # FBA1091



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.

- 1) Valenzano *et al.* (2003), *N*-(4-*tert*-butylphenyl)-4-(3-chloropyridin-2-yl)tetrahydropyrazine -1(2*H*)-carbox-amide (BCTC), a novel, orally effective vanilloid receptor 1 antagonist with analgesic properties: I. *in vitro* characterization and pharmacokinetic properties; J. Pharmacol. Exp. Ther., **306** 377
- 2) Pomonis *et al.* (2003), *N*-(4-*Tertiarybutylphenyl*)-4-(3-cholorphyridin-2-yl)tetrahydropyrazine -1(2*H*)-carbox-amide (BCTC), a novel, orally effective vanilloid receptor 1 antagonist with analgesic properties: II. *in vivo* characterization in rat models of inflammatory and neuropathic pain; J. Pharmacol. Exp. Ther., **306** 387

PHYSICAL DATA

Molecular Weight:	372.90
Molecular Formula:	C ₂₀ H ₂₅ ClN ₄ O
Purity:	98% by TLC: (2% CH ₃ OH in CH ₂ Cl ₂ ; R _f =0.25) NMR: Conforms
Solubility:	DMSO (up to 25 mg/ml) or ethanol (up to 15 mg/ml with warming)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

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