



Product Information

TRP channel inhibitor BCTC, Purity ≥98%

Cat. No.: X24-07-ZQ608

Size: 5 mg; 10 mg; 50 mg; 100 mg

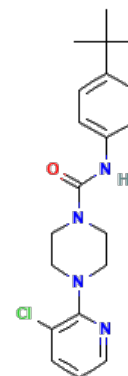
MDL: MFCD08690556

CAS Number: 393514-24-4

Compound CID: 9929425

Synonym: 393514-24-4; TRP channel inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	BCTC, soluble in DMSO, water and ethanol, modulates the function of TRP channels, which are crucial for various physiological processes including sensation and thermoregulation.
Molecular Weight	372.89
Molecular Formula	C ₂₀ H ₂₅ ClN ₄ O
IUPAC Name	<i>N</i> -(4- <i>tert</i> -butylphenyl)-4-(3-chloropyridin-2-yl)piperazine-1-carboxamide
InChI	InChI=1S/C20H25ClN4O/c1-20(2,3)15-6-8-16(9-7-15)23-19(26)25-13-11-24(12-14-25)18-17(21)5-4-10-22-18/h4-10H,11-14H2,1-3H3,(H,23,26)
InChI Key	ROGUAPYLUCHQGK-UHFFFAOYSA-N
Canonical SMILES	CC(C)(C)C1=CC=C(C=C1)NC(=O)N2CCN(CC2)C3=C(C=CC=N3)Cl
Form	Lyophilized powder
Purity	≥98%
Solubility	DMSO: 72 mg/mL (193.08 mM); Water: <1 mg/mL; Ethanol: 25 mg/mL (67.04 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	BCTC, a TRP channel inhibitor, is utilized in research on pain pathways and nociception by modulating transient receptor potential channel activity.
Storage	Store at -20°C, and keep desiccated.