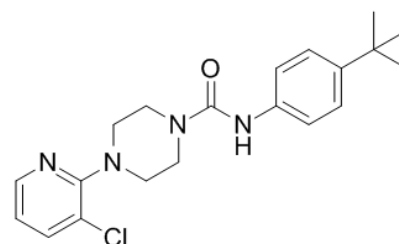


Product Name : BCTC
Cat. No. : PC-45764
CAS No. : 393514-24-4
Molecular Formula : C₂₀H₂₅ClN₄O
Molecular Weight : 372.8917
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

BCTC is a highly potent, selective, CNS-penetrant **TRPV1** antagonist that inhibits capsaicin-induced and acid-induced activation of rat TRPV1 with IC₅₀ values of 35 and 6 nM, respectively.

BCTC shows selectivity against 63 other receptor, enzyme, transporter, and ion channel targets; orally bioavailable.

References

Valenzano KJ, et al. J Pharmacol Exp Ther. 2003 Jul;306(1):377-86.

Gava NR, et al. Mol Pharmacol. 2005 Dec;68(6):1524-33.

Yamamoto M, et al. World J Gastroenterol. 2016 Nov 28;22(44):9752-9764.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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