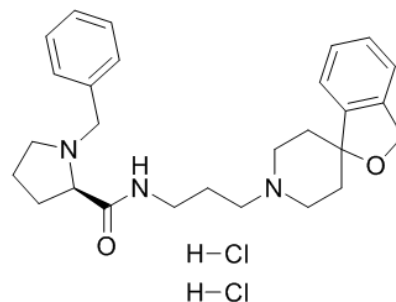


Product Name : BAN ORL 24
Cat. No. : PC-43402
CAS No. : 1401463-54-4
Molecular Formula : C₂₇H₃₇Cl₂N₃O₂
Molecular Weight : 506.5076
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

BAN ORL 24 is a potent, selective, non-peptide nociceptin/orphanin FQ receptor (NOP receptor, **ORL1**) antagonist with IC₅₀ of 0.27 nM, displays no significant activity for κ-, μ- and δ-receptors.

BAN ORL 24 produces a concentration-dependent displacement of [(3)H]N/OFQ binding to CHO(hNOP) cell membranes with pK_i of 9.62 and selectivity (1000 fold) over classical opioid receptors.

BAN ORL 24 antagonizes the pronociceptive and antinociceptive effects of N/OFQ in vivo.

References

Fischetti C, et al. *Eur J Pharmacol.* 2009 Jul 1;614(1-3):50-7.

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

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