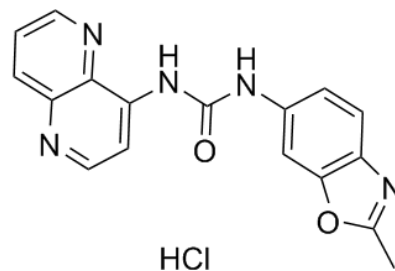


Product Name : SB-334867
Cat. No. : PC-42730
CAS No. : 249889-64-3
Molecular Formula : C₁₇H₁₄ClN₅O₂
Molecular Weight : 355.7784
Target : Orexin Receptor
Solubility : 10 mM in DMSO



Biological Activity

SB-334867 (SB 334867A) is the first selective Orexin-1 receptor (**OX1R**) antagonist with pK_b of 7.4. SB-334867 displays 50-fold selectivity over OX2 (pK_b 5.7), >100-fold or selectivity over 5-HT_{2B}, 5-HT_{2C} and approximately 50 other molecular targets, in particular GPCRs and ion channels. SB-334867 possesses CNS penetration, in vivo activity following ip dosing.

References

- Smart D, et al. *Br J Pharmacol*. 2001 Mar;132(6):1179-82.
Porter RA, et al. *Bioorg Med Chem Lett*. 2001 Jul 23;11(14):1907-10.
Rodgers RJ, et al. *Eur J Neurosci*. 2001 Apr;13(7):1444-52.

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

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