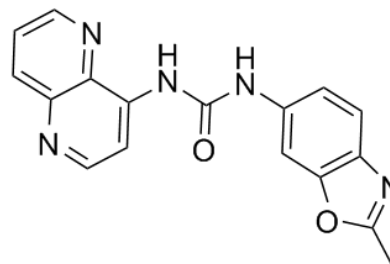


Product Name : SB-334867 free base
Cat. No. : PC-42731
CAS No. : 792173-99-0
Molecular Formula : C₁₇H₁₃N₅O₂
Molecular Weight : 319.3174
Target : Orexin Receptor
Solubility : DMSO: ≥ 49 mg/mL



Biological Activity

SB-334867 is the first selective **Orexin-1 receptor (OX1R)** antagonist with pK_b of 7.4, displays 50-fold selectivity over OX2R (pK_b 5.7).

SB-334867 also displays >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!

E-mail: tech@probechem.com