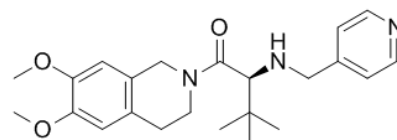


Product Name : TCS-OX2-29
Cat. No. : PC-42159
CAS No. : 372523-75-6
Molecular Formula : C₂₃H₃₁N₃O₃
Molecular Weight : 397.5105
Target : Orexin Receptor
Solubility : 10 mM in DMSO



Biological Activity

A potent, selective orexin-2 receptor (OX2R) antagonist with IC₅₀ of 40 nM; displays >250-fold selectivity for OX2 over OX1 and a panel of receptors, ion channels and transporters; blocks the inhibitory action of orexin A on forskolin-induced cAMP formation.

References

Hirose M, et al. *Bioorg Med Chem Lett*. 2003 Dec 15;13(24):4497-9.

Urbańska A, et al. *J Mol Neurosci*. 2012 Jan;46(1):10-7.

Huang SC, et al. *J Pharmacol Exp Ther*. 2010 Aug;334(2):522-9.

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

E-mail: tech@probechem.com