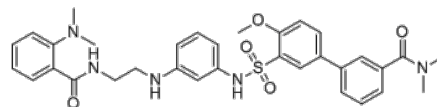


Product Name : YNT-185
Cat. No. : PC-73244
CAS No. : 1804978-81-1
Molecular Formula : C₃₃H₃₇N₅O₅S
Molecular Weight : 615.74
Target : Orexin Receptor
Solubility : 10 mM in DMSO



Biological Activity

YNT-185 is a potent, selective **orexin type-2 receptor (OX2R)** agonist with EC₅₀ of 28 nM, 100-fold selectivity over OX1R.

YNT-185 epolarized OX2-expressing histaminergic neurons in mouse brain slices.

YNT-185 suppressed cataplexy-like episodes in orexin knockout and orexin neuron-ablated mice, but not in orexin receptor-deficient mice.

Peripherally administered YNT-185 also promotes wakefulness without affecting body temperature in wild-type mice.

References

Irukayama-Tomobe Y, et al. *Proc Natl Acad Sci U S A*. 2017 May 30;114(22):5731-5736.

Toyama S, et al. *Anesthesiology*. 2018 May;128(5):992-1003.

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

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