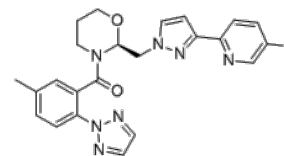


Product Name : Vornorexant
Cat. No. : PC-38428
CAS No. : 1517965-94-4
Molecular Formula : C₂₃H₂₂FN₇O₂
Molecular Weight : 447.474
Target : Orexin Receptor
Solubility : 10 mM in DMSO



Biological Activity

Vornorexant (TS-142, ORN0829) is a potent dual orexin 1 (**OX1R**) and 2 receptor (**OX2R**) antagonist with IC₅₀ of 1.05 and 1.27 nM for hOX1R and hOX2R, respectively.

Vornorexant (TS-142, ORN0829) exhibited potent sleep-promoting effects at a po dose of 1 mg/kg in a rat polysomnogram study.

Vornorexant (TS-142, ORN0829) is a viable candidate and is currently in clinical development for the treatment of insomnia.

References

Futamura A, et al. *Bioorg Med Chem.* 2020 Jul 1;28(13):115489.

Uchiyama M, et al. *Psychopharmacology (Berl).* 2022 Mar 17.

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

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