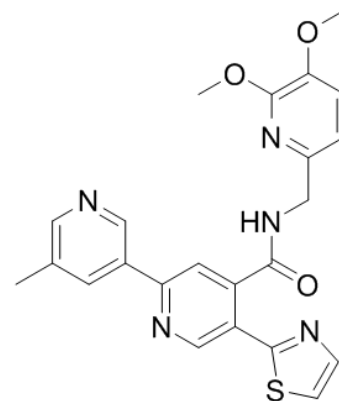


Product Name : MK-3697
Cat. No. : PC-42964
CAS No. : 1224846-01-8
Molecular Formula : C₂₃H₂₁N₅O₃S
Molecular Weight : 447.5096
Target : Orexin Receptor
Solubility : DMSO: 22.5 mg/mL



Biological Activity

MK-3697 is a potent, selective, orally bioavailable Orexin 2 receptor (OX2R) antagonist with K_i of 1.1 nM and IC_{50} of 16 nM, shows exquisite selectivity over OX1R ($K_i=18$ μ M); MK-3697 is orally efficacious in sleep experiments across species with high OX2R occupancy and low OX1R blockade, demonstrated excellent sleep efficacy across species, and shows potential for the treatment of insomnia.

Sleep Disorder

Phase 2 Discontinued

References

Roecker AJ, et al. Bioorg Med Chem Lett. 2014 Oct 15;24(20):4884-90.

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

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