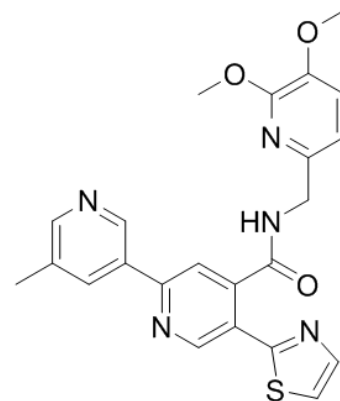


Product Name : MK-3697
Cat. No. : PC-42964
CAS No. : 1224846-01-8
Molecular Formula : C₂₃H₂₁N₅O₃S
Molecular Weight : 447.5096
Target : Orexin Receptor
Solubility : DMSO: 22.5 mg/mL



Biological Activity

MK-3697 is a potent, selective, orally bioavailable Orexin 2 receptor (**OX2R**) antagonist with K_i of 1.1 nM and IC₅₀ of 16 nM, shows exquisite selectivity over OX1R (K_i=18 μM).

MK-3697 is orally efficacious in sleep experiments across species with high OX2R occupancy and low OX1R blockade.

MK-3697 demonstrated excellent sleep efficacy across species, and shows potential for the treatment of insomnia.

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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