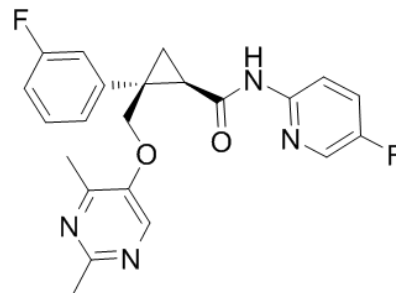


Product Name : Lemborexant
Cat. No. : PC-45062
CAS No. : 1369764-02-2
Molecular Formula : C₂₂H₂₀F₂N₄O₂
Molecular Weight : 410.4166
Target : Orexin Receptor
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

Lemborexant (E2006) is an orally active, potent, selective, dual Orexin receptor **OX1/2** antagonist with binding K_i of 6/3 nM, respectively.

Lemborexant (E2006) exhibits an overall improvement in properties such as the TDI of CYP3A and aqueous solubility, high OXRs antagonist activity and sufficient brain penetration.

Lemborexant (E2006) demonstrates high efficacy in preclinical sleep experiments.

References

Yoshida Y, et al. J Med Chem. 2015 Jun 11;58(11):4648-64.

Beuckmann CT, et al. J Pharmacol Exp Ther. 2017 Aug;362(2):287-295.

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

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