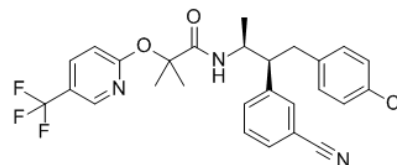


Product Name : Taranabant
Cat. No. : PC-42063
CAS No. : 701977-09-5
Molecular Formula : C₂₇H₂₅ClF₃N₃O₂
Molecular Weight : 515.9545
Target : Cannabinoid Receptor
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

Taranabant (MK-0364) is a potent, selective and orally active cannabinoid-1 receptor (**CB1R**) inverse agonist with IC₅₀ of 2.8 nM, K_i of 0.13 nM.

Taranabant displays >1000-fold selectivity over CB2R (K_i=170 nM), AT1R, NK2R, A3R, MT1R, D1R, etc.

Taranabant dose-dependently inhibits food intake and weight gain in diet-induced obese (DIO) rats with an acute minimum effective dose of 1 mg/kg and has good pharmacokinetic.

References

Armstrong HE, et al. *Bioorg Med Chem Lett*. 2007 Apr 15;17(8):2184-7.

Fong TM, et al. *J Pharmacol Exp Ther*. 2007 Jun;321(3):1013-22.

Addy C, et al. *Cell Metab*. 2008 Jan;7(1):68-78.

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

E-mail: tech@probechem.com