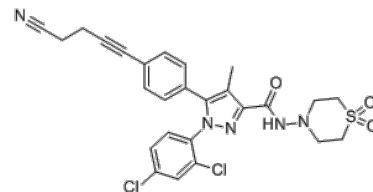


Product Name : AM6545
Cat. No. : PC-20077
CAS No. : 1245626-05-4
Molecular Formula : C₂₆H₂₃Cl₂N₅O₃S
Molecular Weight : 556.46
Target : Cannabinoid Receptor
Solubility : 10 mM in DMSO



Biological Activity

AM6545 (AM-6545) is a potent, selective, oral bioavailable and non-brain-penetrant neutral **CB1R** antagonist with K_i of 3.3 nM, >100-fold selectivity over CB2R.

Unlike rimonabant, AM6545 does not reduce GTPγS binding in mouse brain membranes and is therefore a neutral antagonist.

AM6545 (10 mg/kg/d for 28 days, oral) improved the metabolic profile in mice with diet-induced obesity (DIO).

AM6545 exhibited therapeutically relevant efficacy in reducing weight and improving hormonal/metabolic abnormalities in animal models of obesity.

AM6545 (4.0, 8.0 and 16.0 mg/kg, i.p.) significantly reduced food-reinforced operant responding in vivo.

References

Tam J, et al. *J Clin Invest.* 2010 Aug;120(8):2953-66.

Randall PA, et al. *Pharmacol Biochem Behav.* 2010 Nov;97(1):179-84.

Limebeer CL, et al. *Br J Pharmacol.* 2010 Sep;161(2):336-49.

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

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