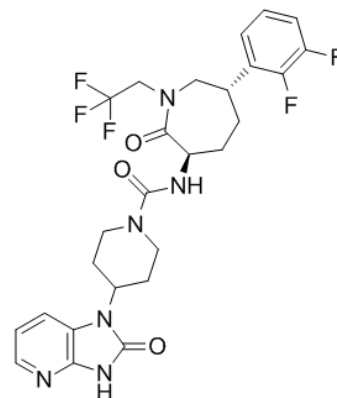


Product Name : MK-0974
Cat. No. : PC-45811
CAS No. : 781649-09-0
Molecular Formula : C₂₆H₂₇F₅N₆O₃
Molecular Weight : 566.523
Target : CGRP Receptor
Solubility : 10 mM in DMSO



Biological Activity

Telcagepant (MK-0974) is a potent, selective, orally bioavailable **CGRP** receptor antagonist with K_i of 0.77 nM.

Telcagepant (MK-0974) shows >10,000-fold selectivity in a panel of assays representing over 160 receptors, transporters, and enzymes.

Telcagepant (MK-0974) inhibits CGRP-stimulated cAMP production in E10 cells with IC₅₀ of 2.2 nM.

Telcagepant (MK-0974) inhibits the capsaicin-induced increase in dermal blood flow in monkey models.

References

Paone DV, et al. *J Med Chem*. 2007 Nov 15;50(23):5564-7.

Salvatore CA, et al. *J Pharmacol Exp Ther*. 2008 Feb;324(2):416-21.

Sinclair SR, et al. *Br J Clin Pharmacol*. 2010 Jan;69(1):15-22.

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

E-mail: tech@probechem.com