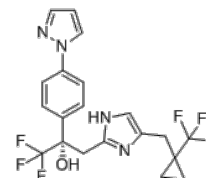


Product Name : MK-5046
Cat. No. : PC-38792
CAS No. : 1022152-70-0
Molecular Formula : C₂₀H₁₈F₆N₄O
Molecular Weight : 444.381
Target : Bombesin Receptor
Solubility : 10 mM in DMSO



Biological Activity

MK-5046 is a potent, selective small molecule agonist of BRS-3 (bombesin receptor subtype-3) with K_i and EC_{50} values of 3.7 and 14 nM (hBRS-3), respectively.

MK-5046 exhibits high selectivity in a screen of >100 receptors, ion channels, and enzymes.

MK-5046 shows potent activities across a range of species, including rat, mouse, dog and rhesus.

MK-5046 causes mechanism-based, dose-dependent reductions in food intake and body weight.

References

Guan XM, et al. *J Pharmacol Exp Ther*. 2011 Feb;336(2):356-64.

Sebhat IK, et al. *ACS Med Chem Lett*. 2010 Oct 18;2(1):43-7.

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

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