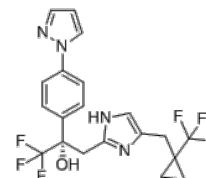


**Product Name** : MK-5046  
**Cat. No.** : PC-38792  
**CAS No.** : 1022152-70-0  
**Molecular Formula** : C<sub>20</sub>H<sub>18</sub>F<sub>6</sub>N<sub>4</sub>O  
**Molecular Weight** : 444.381  
**Target** : Bombesin Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

MK-5046 a potent, selective small molecule agonist of **BRS-3** (bombesin receptor subtype-3) with K<sub>i</sub> and EC<sub>50</sub> 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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