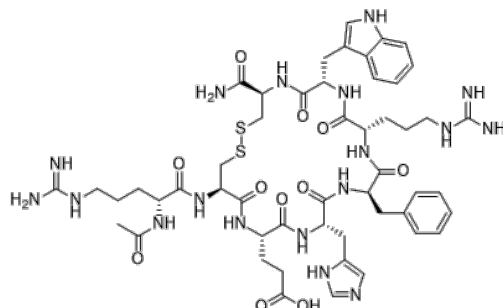


Product Name : LY2112688 trifluoroacetate
Cat. No. : PC-26945
CAS No. : 819048-44-7
Molecular Formula : C₅₁H₇₀N₁₈O₁₁S₂ · xC₂HF₃O₂
Molecular Weight : 1175.35 (free base)
Target : Melanocortin Receptor
Solubility : 10 mM in DMSO



Biological Activity

LY2112688 TFA is a potent and selective melanocortin receptor 4 (MC-4R, MC4R) agonist with K_i of 0.55/0.39 nM for human/rat MC4R, >30-fold selective over MC1/3/5 receptors.

LY2112688 selectively induces MC-4-mediated cAMP release (MC-4/3 EC₅₀ = 0.25 nM/1.61 nM, MC-4/3 E_{max} = 94.5%/84.1% of NDP-α-MSH E_{max} using HEK293 expressing respective human receptors).

LY2112688 exhibits in vivo efficacy in reducing daily food intake and promoting weight loss among diet-induced obese rats (75 & 299 nmol/kg/day s.c.).

References

Kievit P, et al. Diabetes. 2013 Feb;62(2):490-7.

Molden BM, et al. Mol Endocrinol. 2015 Nov;29(11):1619-33.

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

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