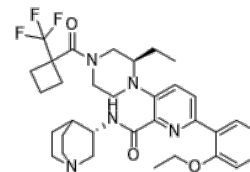


Product Name : CRN04894
Cat. No. : PC-38702
CAS No. : 2392970-97-5
Molecular Formula : C₃₃H₄₂F₃N₅O₃
Molecular Weight : 613.73
Target : Melanocortin Receptor
Solubility : 10 mM in DMSO



CAS: 2392970-97-5

1. Kim SH, et al. *ACS Med Chem Lett.* 2024 Mar

Biological Activity

CRN04894 is a highly potent, selective, orally available melanocortin 2 receptor (**MC2R** antagonist) antagonist with K_i of 2.1 nM.

CRN04894 selectively blocks the ACTH-MC2R interaction, showing no binding to MC1R, MC3R, MC4R, and MC5R at concentrations >1 μ M.

CRN04894 demonstrates remarkable efficacy in a rat model of adrenocorticotrophic hormone (ACTH)-stimulated corticosterone secretion.

Oral administration of CRN04894 suppressed ACTH-stimulated corticosterone secretion in a dose-dependent manner at doses \geq 3 mg/kg.

References

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