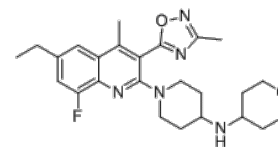


Product Name : BTRX-335140
Cat. No. : PC-36056
CAS No. : 2244614-14-8
Molecular Formula : C₂₅H₃₂FN₅O₂
Molecular Weight : 453.562
Target : Opioid Receptor
Solubility : 10 mM in DMSO



Biological Activity

BTRX-335140 (Navacaprant, CYM-53093, BTRX335140, CYM53093) is a potent, selective, orally active κ opioid receptor (**KOR**) antagonist with IC₅₀ of 0.8 nM.

BTRX-335140 displays >100-fold selectivity over MOR and DOR.

BTRX-335140 demonstrates favorable in vitro ADMET and in vivo pharmacokinetic profiles and medication-like duration of action in rat pharmacodynamic experiments, shows robust efficacy in antagonizing KOR agonist-induced prolactin secretion and in tail-flick analgesia in mice.

References

Guerrero M, et al. *J Med Chem*. 2019 Feb 1. doi: 10.1021/acs.jmedchem.8b01679.

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

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