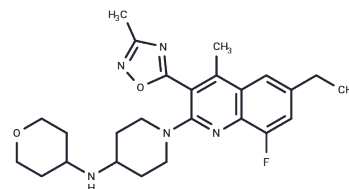


BTRX-335140

Chemical Properties

CAS No. : 2244614-14-8
Formula: C₂₅H₃₂FN₅O₂
Molecular Weight: 453.55
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	BTRX-335140 (CYM-53093) is a potent and selective, orally active κ opioid receptor (KOR) antagonist, has antagonist activity for κ OR, μ OR and δ OR with IC ₅₀ values of 0.8 nM, 110 nM, and 6500 nM, respectively. BTRX-335140 can distribute well into the CNS. ADMET (absorption, distribution, metabolism, excretion, and toxicity) . BTRX-335140 endows with favorable in vitro ADMET and in vivo pharmacokinetic profiles and medication-like duration of action in rats.
Targets(IC ₅₀)	Opioid Receptor

Solubility Information

Solubility	DMSO: 5.5 mg/mL (12.13 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2048 mL	11.0241 mL	22.0483 mL
5 mM	0.441 mL	2.2048 mL	4.4097 mL
10 mM	0.2205 mL	1.1024 mL	2.2048 mL
50 mM	0.0441 mL	0.2205 mL	0.441 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Guerrero M, et al. Design and Synthesis of a Novel and Selective Kappa Opioid Receptor (KOR) Antagonist (BTRX-335140). J Med Chem. 2019 Feb 28;62(4):1761-1780.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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