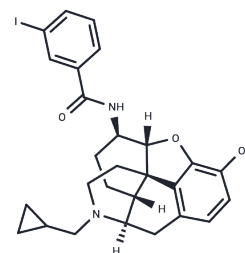


MP1202

Chemical Properties

CAS No. : 2578974-82-8
 Formula: C₂₇H₂₉IN₂O₃
 Molecular Weight: 556.44
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	MP1202 is a dual agonist for MOR and KOR, with EC ₅₀ values of 0.32 μM for mMOR-1 and 0.13 μM for mKOR-1. It exhibits functional selectivity by reducing β-arrestin1/2 recruitment in hMOR and hKOR while significantly activating G protein and Gα subtypes. In opioid receptor subtype knockout mouse models, MP1202 demonstrates potent antinociceptive effects without typical opioid side effects, albeit it induces conditioned place preference and aversion behaviors, indicating potential for analgesic research.
Targets(IC50)	Opioid Receptor, Arrestin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7971 mL	8.9857 mL	17.9714 mL
5 mM	0.3594 mL	1.7971 mL	3.5943 mL
10 mM	0.1797 mL	0.8986 mL	1.7971 mL
50 mM	0.0359 mL	0.1797 mL	0.3594 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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