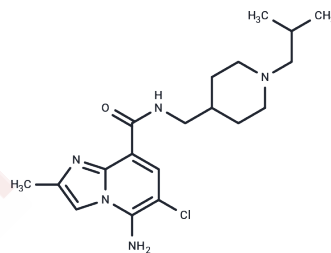


CJ 033466

Chemical Properties

CAS No. : 519148-48-2
 Formula: C₁₉H₂₈ClN₅O
 Molecular Weight: 377.91
 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	CJ 033466 is a selective partial agonist of 5-HT ₄ receptor (EC ₅₀ = 9 nM) with gastroprokinetic effect.
Targets(IC ₅₀)	5-HT Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (26.46 mM), Sonication is recommended. Ethanol: < 37.79 mg/mL, 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	2.6461 mL	13.2307 mL	26.4613 mL
5 mM	0.5292 mL	2.6461 mL	5.2923 mL
10 mM	0.2646 mL	1.3231 mL	2.6461 mL
50 mM	0.0529 mL	0.2646 mL	0.5292 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.

Reference

Tadayoshi Mikami, et al. 5-Amino-6-chloro-N-[(1-isobutylpiperidin-4-yl)methyl]-2-methylimidazo[1,2- α]pyridine-8-carboxamide (CJ-033,466), a novel and selective 5-hydroxytryptamine₄ receptor partial agonist: pharmacological profile in vitro and gastroprokinetic effect in conscious dogs. J Pharmacol Exp Ther. 2008 Apr;325(1):190-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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