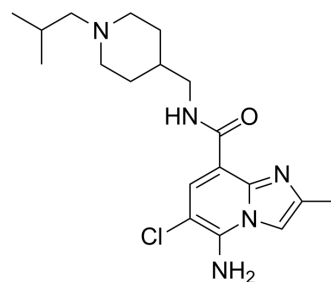


CJ033466

Cat. No.:	HY-103108
CAS No.:	519148-48-2
Molecular Formula:	C ₁₉ H ₂₈ ClN ₅ O
Molecular Weight:	377.91
Target:	5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (132.31 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CJ033466 is a novel and selective 5-HT₄ receptor partial agonist with an EC₅₀ of 9 nM and has gastroprokinetic effect^[1].

IC₅₀ & Target

5-HT₄ Receptor
9 nM (EC₅₀)

REFERENCES

[1]. 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 gastrop

Caution: Product has not been fully validated for medical applications. For research use only.

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