MK-212 monohydrochloride

Cat. No.: HY-101324A

CAS No.: 61655-58-1

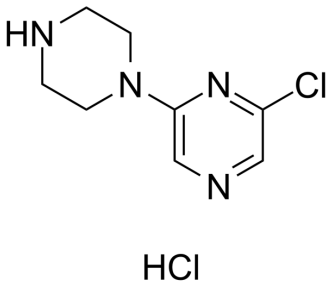
Molecular Formula: $C_8H_{12}Cl_2N_4$

Molecular Weight: 235.11

Target: 5-HT Receptor

Pathway: GPCR/G Protein; Neuronal Signaling

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 10 mg/mL (42.53 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.2533 mL	21.2666 mL	42.5333 mL
	5 mM	0.8507 mL	4.2533 mL	8.5067 mL
	10 mM	0.4253 mL	2.1267 mL	4.2533 mL

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

BIOLOGICAL ACTIVITY

Description MK-212 (CPP) monohydrochloride is a centrally acting 5-HT_{1C}/5-HT_2 agonist. MK-212 monohydrochloride can stimulate phosphoinositide hydrolysis in cerebral cortex[1].

IC_{50} & Target	5-HT_{1C} Receptor	5-HT_2 Receptor

REFERENCES

[1]. Lee HS, et, al. Effect of the serotonin agonist, MK-212, on body temperature in schizophrenia. Biol Psychiatry. 1992 Mar 1;31(5):460-70.

[2]. Conn PJ, et, al. Relative efficacies of piperazines at the phosphoinositide hydrolysis-linked serotonergic (5-HT-2 and 5-HT-1c) receptors. J Pharmacol Exp Ther. 1987 Aug;242(2):552-7.

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

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