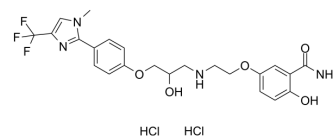


CGP 20712 dihydrochloride

Cat. No.:	HY-101355A
CAS No.:	1216905-73-5
Molecular Formula:	C ₂₃ H ₂₇ Cl ₂ F ₃ N ₄ O ₅
Molecular Weight:	567.39
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 28 mg/mL (49.35 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7625 mL	8.8123 mL	17.6246 mL
5 mM	0.3525 mL	1.7625 mL	3.5249 mL
10 mM	0.1762 mL	0.8812 mL	1.7625 mL

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

BIOLOGICAL ACTIVITY

Description

CGP 20712 dihydrochloride is a highly selective β 1-adrenoceptor antagonist with an IC₅₀ of 0.7 nM. CGP 20712 dihydrochloride exhibits ~10,000-fold selectivity over β 2-adrenoceptors^[1].

REFERENCES

- [1]. Kitagawa Y, et al. Determination of beta-adrenoceptor subtype on rat isolated ventricular myocytes by use of highly selective beta-antagonists. Br J Pharmacol. 1995 Sep;116(1):1635-43.
- [2]. Dooley DJ, et al. CGP 20712 A: a useful tool for quantitating beta 1- and beta 2-adrenoceptors. Eur J Pharmacol. 1986 Oct 14;130(1-2):137-9.
- [3]. Kitagawa Y, et al. Determination of beta-adrenoceptor subtype on rat isolated ventricular myocytes by use of highly selective beta-antagonists. Br J Pharmacol. 1995 Sep;116(1):1635-43.

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

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