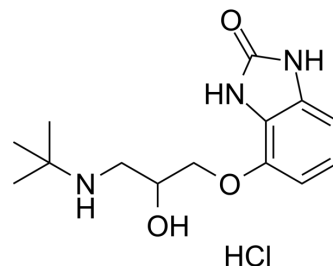


CGP 12177 hydrochloride

Cat. No.:	HY-101393A
CAS No.:	64208-32-8
Molecular Formula:	C ₁₄ H ₂₂ ClN ₃ O ₃
Molecular Weight:	315.8
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



BIOLOGICAL ACTIVITY

Description CGP 12177 ((±)-CGP 12177) hydrochloride is a β Adrenergic Receptor Ligand. CGP 12177 hydrochloride is a high affinity antagonist of β₁- and β₂-AR. CGP 12177 hydrochloride is also shown to interact, with a lower affinity, with the β₃-AR and to exhibit a partial agonist activity on rodent and human β₃-AR. CGP 12177 hydrochloride exhibits partial agonist properties for α₁-AR in rat pulmonary artery^[1].

IC₅₀ & Target	Beta-1 adrenergic receptor	Beta-2 adrenergic receptor	Beta-3 adrenergic receptor	α ₁ -adrenergic receptor
-------------------------------------	----------------------------	----------------------------	----------------------------	-------------------------------------

REFERENCES

[1]. Leblais V, et al. Role of alpha-adrenergic receptors in the effect of the beta-adrenergic receptor ligands, CGP 12177, bupranolol, and SR 59230A, on the contraction of rat intrapulmonary artery. J Pharmacol Exp Ther. 2004 Apr;309(1):137-45.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA