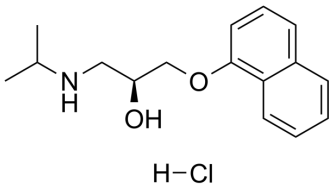
(S)-(-)-Propranolol hydrochloride

Cat. No.:	HY-B0573A
CAS No.:	4199-10-4
Molecular Formula:	$C_{16}H_{22}ClNO_2$
Molecular Weight:	295.8
Target:	Adrenergic Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	(S)-(-)-Propranolol hydrochloride is a β-adrenergic receptor antagonist with log K_d values of -8.16, -9.08, and -6.93 for β_1, β_2, and β_3, respectively. (S)-(-)-Propranolol hydrochloride the active enantiomer of propranolol and can be s used for study of hypertension, pheochromocytoma, myocardial infarction, cardiac arrhythmias, angina pectoris, and hypertrophic cardiomyopathy[2].
IC_{50} & Target	log Kd: -8.16 (β_1-adrenergic receptor) log Kd: -9.08 (β_2-adrenergic receptor) log Kd: -6.93 (β_3-adrenergic receptor)[1]

REFERENCES

[1]. Jillian G Baker , et al. The selectivity of beta-adrenoceptor antagonists at the human beta1, beta2 and beta3 adrenoceptors. Br J Pharmacol. 2005 Feb;144(3):317-22.

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