

Product Name	: Propranolol hydrochloride
Synonyms	: dl-propranolol hcl
Cat No.	: M22544
CAS Number	: 3506-09-0
Molecular Formula	: C ₁₆ H ₂₂ ClNO ₂
Formula Weight	: 295.8
Chemical Name	: —
Description	Propranolol hydrochloride is a blocker of β_1 and β_2 adrenergic receptor. Propranolol is a noncardioselective β-blocker. It is reported to have membrane-stabilizing properties, but it does not own intrinsic sympathomimetic activity. Propranolol hydrochloride is used to control hypertension, pheochromocytoma, myocardial infarction, cardiac arrhythmias, angina pectoris, and hypertrophic cardiomyopathy. It is also used to control symptoms of sympathetic overactivity in the management of hyperthyroidism, anxiety disorders, and tremor. Other indications cover the prophylaxis of migraine and of upper gastrointestinal bleeding in patients with portal hypertension.
Pathway	: Angiogenesis
Target	: Adrenergic Receptor
Receptor	: β_1 -adrenergic receptor; β_2 -adrenergic receptor
Solubility	: —
SMILES	: Cl.CC(C)NCC(O)COc1cccc2ccccc12
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Abdulrahman A Al-Majed, Ahmed H H Bakheit. Profiles Drug Subst Excip Relat Methodol. 2017;42:287-338. Propranolol.