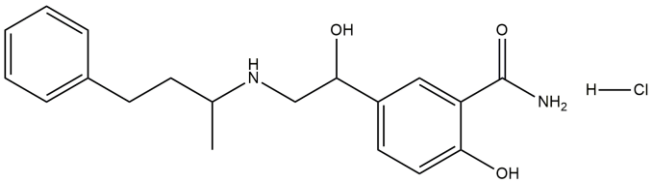
# Labetalol Hydrochloride

*02/21*

**ALTERNATE NAMES:** 2-hydroxy-5-[1-hydroxy-2-(4-phenylbutan-2-ylamino)ethyl]benzamide;hydrochloride; 5-(1-Hydroxy-2-((1-methyl-3-phenylpropyl)amino)ethyl)salicylamide hydrochloride; 2-Hydroxy-5-[1-hydroxy-2-[(1-methyl-3-phenylpropyl)amino]ethyl]benzamide hydrochloride; Normodyne; Trandate; AH 5158A; SCH 15719W; Amipress; Presdate

**CATALOG #:**
B3113-1G 1 g
B3113-5G 5 g

**STRUCTURE:**




**MOLECULAR FORMULA:** $C_{19}H_{25}ClN_2O_3$

**MOLECULAR WEIGHT:** 364.9

**CAS NUMBER:** 32780-64-6

**APPEARANCE:** White powder

**PURITY:** ≥ 98%

**SOLUBILITY:**
~15 mg/ml in DMSO
~30 mg/ml in DMF
~0.3 mg/ml in ethanol

**DESCRIPTION:** Labetalol is a competitive antagonist of β- and α-adrenergic receptors. It is used as an antihypertensive agent. It also shows antioxidant acitivity with an $IC_{50}$ of 16.5 mg/L in formyl-methionyl-leucyl-phenylalanine stimulated rabbit neutrophils.

**STORAGE TEMPERATURE:** -20 ºC. Store in the dark. Product is light sensitive.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**REFERENCE:**

1. Kouoh, F., Gressier, B., Dine., T., et al. In vitro and ex vivo antioxidant activities of labetalol on rabbit neutrophil respiratory burst. Adv. Ther. 21(3):178-85 (2004).
2. Richards, D.A., Prichard B.N.C. Clinical pharmacology of labetalol. Br J Clin Pharmacol. 1979;8(Suppl 2):89S-93S.

**RELATED PRODUCTS:**

L-(–)-Norepinephrine bitartrate hydrate (Cat. No. B3089)
Amlodipine besylate (Cat. No. 2378)
Prazosin (Cat. No. B3055)
Enalapril Maleate (Cat. No. B2131)
Guanfacine hydrochloride (Cat. No. B2990)

**DISCLAIMER:** ***FOR RESEARCH USE ONLY! Not to be used on humans.***