

# Betaxolol (hydrochloride)

Catalog No: tcsc2453



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

63659-19-8

**Formula:**

$C_{18}H_{30}ClNO_3$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

SL75212

**Observed Molecular Weight:**

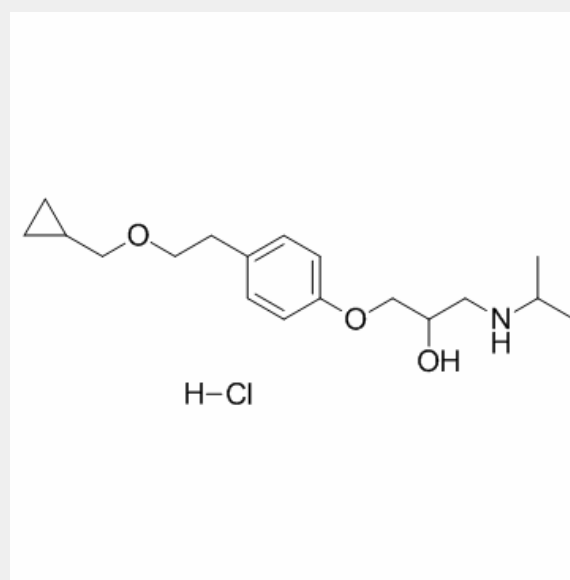
343.89

## Product Description

Betaxolol Hydrochloride is a selective beta1 adrenergic receptor blocker used in the treatment of hypertension and glaucoma.

Target: Beta1 Adrenergic Receptor

Betaxolol is a cardioselective beta-adrenergic receptor blocking agent. Betaxolol (5 mg/kg via i.p. injection) was administered at 24 and then 44 h following the final chronic cocaine administration. Animals treated with betaxolol during cocaine withdrawal exhibited a significant attenuation of anxiety-like behavior characterized by increased time spent in the open arms and increased entries into the open arms compared to animals treated with only saline during cocaine withdrawal. Betaxolol did not produce anxiolytic-like effects in control animals treated chronically with saline [1]. Betaxolol produces less systemic beta 2- and possibly beta 1-adrenergic receptor blockade than either timolol or levobunolol. Betaxolol may be relatively safer to use in patients with reactive airway disease than either timolol or levobunolol [2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!