

# Acebutolol (hydrochloride)

Catalog No: tcsc2637



## Available Sizes

**Size:** 100mg

**Size:** 5g

**Size:** 10g



## Specifications

**CAS No:**

34381-68-5

**Formula:**

$C_{18}H_{29}ClN_2O_4$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

H<sub>2</sub>O : ≥ 50 mg/mL (134.09 mM); DMSO : 100 mg/mL (268.18 mM; Need ultrasonic)

**Observed Molecular Weight:**

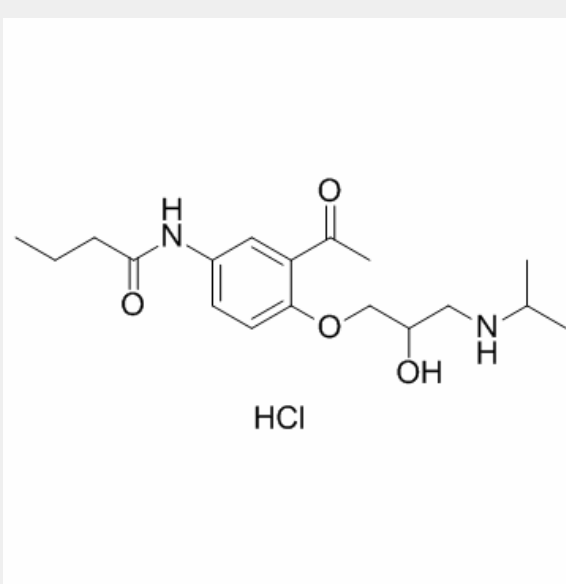
372.89

## Product Description

Acebutolol Hydrochloride is a β-adrenergic receptors antagonist used in the treatment of hypertension, angina pectoris and cardiac arrhythmias.

Target:  $\beta$ -Adrenergic Receptor

Acebutolol is a beta blocker for the treatment of hypertension and arrhythmias. Acebutolol following single intravenous administration (10 mg/kg) to rat results in the plasma clearance of 61.9 mL/min/kg, the volume of distribution of 9.6 L/kg, and an elimination half-life of 1.8 hours. Acebutolol following single intravenous administration (50 mg/kg) to rat results in the plasma clearance of 46.5 mL/min/kg, the volume of distribution of 9.5 L/kg, and an elimination half-life of 2.3 hours [1]. Acebutolol (30 mg/kg) decreases cardiac output by 65% and 31% after 1 min and 10 min measurements, respectively, in Sprague-Dawley rats. Acebutolol (30 mg/kg) significantly reduces regional blood flow (RBF) in most organs either after 1 min or 10 min measurements when compare with the baseline values in Sprague-Dawley rats [2].



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