

# Metoprolol (Tartrate)

Catalog No: tcsc2336



## Available Sizes

**Size:** 100mg



## Specifications

**CAS No:**

56392-17-7

**Formula:**

$C_{17}H_{28}NO_6$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

342.41

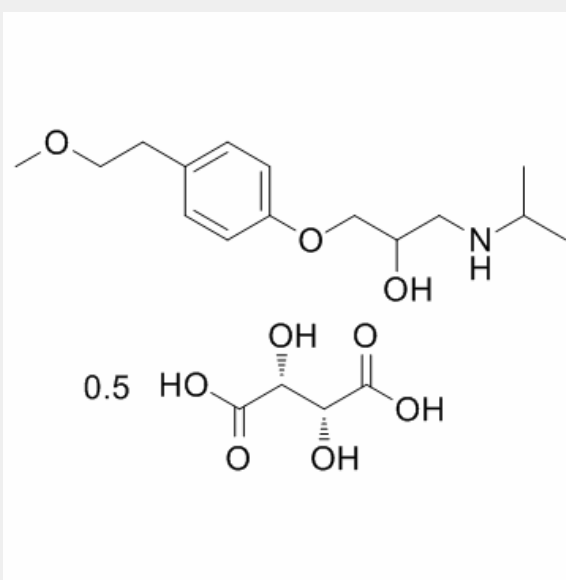
## Product Description

Metoprolol is a cardioselective  $\beta$ 1-adrenergic blocking agent.

Target:  $\beta$ 1- adrenergic Receptor

Patients took 50 mg metoprolol twice daily with weekly titration to response or 200 mg twice daily. beta(1)-adrenergic receptor polymorphisms are important determinants of antihypertensive response to metoprolol. In the future, codon 49 and 389 genotypes or beta(1)-adrenergic receptor haplotypes might be used to predict the diastolic blood pressure response to metoprolol in patients with hypertension [1]. Patients were studied at baseline and after each dose titration of metoprolol succinate (at 25, 50, 100, and

200 mg once/day) and immediate-release carvedilol (at 3.125, 6.25, 12.5, and 25 mg twice/day). As assessed by glucose AUC, there was no significant difference in the degree of beta(2)-blockade between metoprolol 200 mg and carvedilol 25 mg. In contrast to these data, the degree of beta(2)-blockade as assessed by potassium AUC was greater for carvedilol compared with metoprolol across all doses [2].



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