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Tel: +886-2-2735-9682
Email: order@taiclone.com

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 β1-adrenergic blocking agent.

Target: β1- 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

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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].