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

Doxazosin (mesylate)

Catalog No: tcsc1830

Available Sizes

Size: 500mg

Size: 1g

Size: 5g

Specifications

CAS No:
77883-43-3

Formula:
$C_{24}H_{29}N_5O_8S$

Pathway:
GPCR/G Protein;Autophagy;Autophagy

Target:
Adrenergic Receptor;Autophagy;Mitophagy

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
UK 33274 mesylate

Observed Molecular Weight:
547.58

Product Description

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Doxazosin mesylate(UK 33274) is a quinazoline-derivative that selectively antagonizes postsynaptic α1-adrenergic receptors.

Target: α1-adrenergic receptor

Doxazosin (mesylate) is the mesylate salt form of doxazosin, which is a long-lasting inhibitor of α1-adrenoceptors that is widely used to treat benign prostatic hyperplasia and lower urinary tract symptoms [1]. doxazosin may have a direct inhibitory effect on cholesterol synthesis independent of the LDL receptor. The inhibition of cholesterol synthesis by doxazosin may cause cells to compensate by upregulating the LDL receptor, thereby increasing the importation of lipoprotein cholesterol and reducing LDL cholesterol in the medium [2]. Doxazosin monotherapy was effective in eight of 12 patients (66.7%), and combined therapy with a beta-blocker was effective in 11 of 12 patients (91.7%). The mean pulse rate remained constant throughout therapy. Adverse reactions were minor and transient and occurred in only three patients. Urinary and plasma catecholamine levels tended to decrease or remained unchanged during doxazosin therapy [3].