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

Urapidil

Catalog No: tcsc0009600

Available Sizes

Size: 50mg

Specifications

CAS No:
34661-75-1

Formula:
$C_{20}H_{29}N_5O_3$

Pathway:
GPCR/G Protein;Neuronal Signaling;GPCR/G Protein

Target:
Adrenergic Receptor;5-HT Receptor;5-HT Receptor

Purity / Grade:
>98%

Solubility:
H2O :

Observed Molecular Weight:
387.48

Product Description

Urapidil is an **α1 adrenoreceptor** antagonist and a **5-HT$_{1A}$ receptor** agonist.

IC50 & Target: α1 adrenoreceptor, 5-HT$_{1A}$ receptor[1]

In Vitro: Urapidil is an α1 adrenoreceptor antagonist and a 5-HT$_{1A}$ receptor agonist. Urapidil does not affect vascular tone at concentrations up to 10^{-5} M. Urapidil (10^{-5} M) markedly inhibits the alpha 1-adrenergic agonist (phenylephrine)-induced concentration-dependent contractions in aortic rings without endothelium and also to some extent in those with endothelium. Moreover, the inhibitory effect of Urapidil is more pronounced in rings without endothelium than in those with endothelium. Urapidil

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(10^{-5} M) affects neither the vascular tone nor the concentration-dependent contraction to serotonin[1].