

Tiodazosin

Catalog No: tcsc0018406



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

66969-81-1

Formula:

$C_{18}H_{21}N_7O_4S$

Pathway:

GPCR/G Protein

Target:

Adrenergic Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

BL-5111

Observed Molecular Weight:

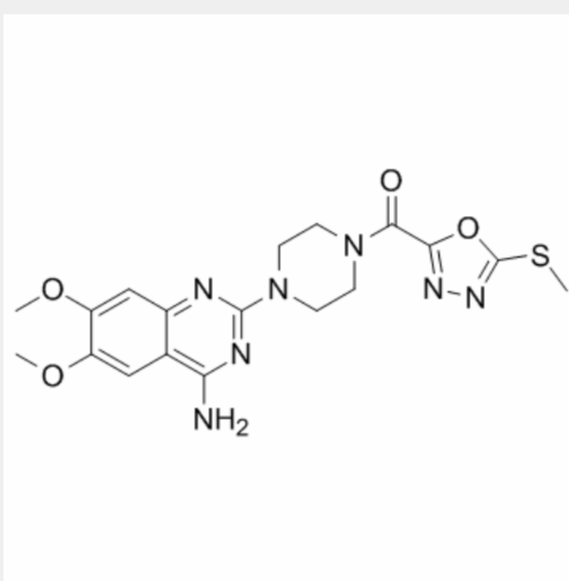
431.47

Product Description

Tiodazosin is a potent competitive postsynaptic **alpha adrenergic receptor** antagonist.

IC50 & Target: alpha adrenergic receptor^[1]

In Vitro: Tiodazosin is a potent competitive postsynaptic alpha adrenergic receptor antagonist. In the mesenteric artery, Tiodazosin produces a parallel shift to the right in the concentration response curves to norepinephrine. A Schild plot constructed from two concentrations of Tiodazosin results in a pA_2 value of 8.66 and a slope equal to -0.99. Tiodazosin inhibits contraction to norepinephrine in the portal vein and the inhibition results in a nonparallel inhibition of the norepinephrine concentration-response curve with a marked depression of maximal norepinephrine response^[1].



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