

# 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:**

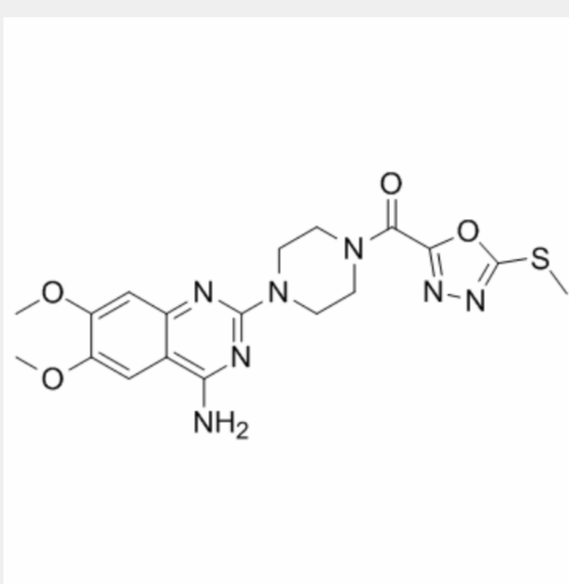
431.47

## Product Description

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

IC50 & Target: alpha adrenergic receptor<sup>[1]</sup>

**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<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!