

# Alfuzosin (hydrochloride)

Catalog No: tcsc2087



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

81403-68-1

**Formula:**

$C_{19}H_{28}ClN_5O_4$

**Pathway:**

GPCR/G Protein

**Target:**

Adrenergic Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

SL 77499-10

**Observed Molecular Weight:**

425.91

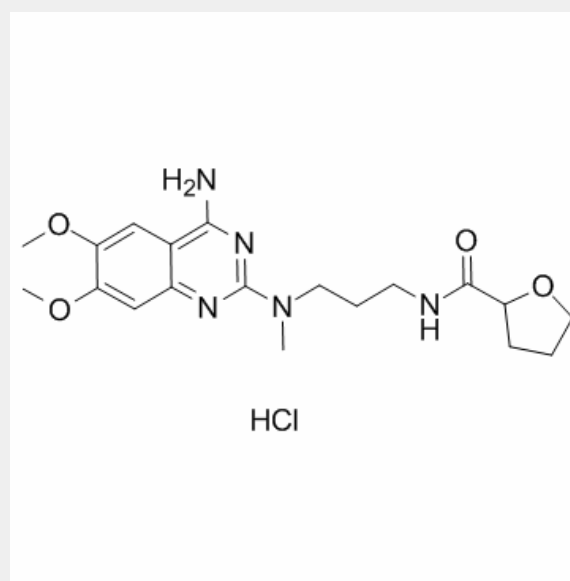
## Product Description

Alfuzosin hydrochloride is an  $\alpha 1$  adrenergic receptor antagonist used to treat benign prostatic hyperplasia (BPH).

Target:  $\alpha 1$  adrenergic receptor

Alfuzosin, a new quinazoline derivative, acts as a selective and competitive antagonist of alpha 1-adrenoceptor-mediated contraction of prostatic, prostatic capsule, bladder base and proximal urethral smooth muscle, thereby reducing the tone of these structures. Consequently, urethral pressure and resistance, bladder outlet resistance, bladder instability and symptoms associated with benign prostatic hyperplasia are reduced. A limited range of clinical studies have shown oral alfuzosin to be more effective than placebo (in studies of

Oral alfuzosin 7.5 to 10 mg/day in divided doses appears to be a promising first-line agent for symptomatic treatment of noncomplicated mild to moderate benign prostatic hyperplasia in patients with a high dynamic component to their obstruction. In addition, alfuzosin offers an alternative to prostatectomy (the current 'gold standard') in patients who require surgery but are unfit for this treatment, and in patients requiring symptomatic relief while awaiting surgery.



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