

# Xylometazoline (hydrochloride)

Catalog No: tcsc2589



## Available Sizes

Size: 1g



## Specifications

### CAS No:

1218-35-5

### Formula:

$C_{16}H_{25}ClN_2$

### Pathway:

GPCR/G Protein

### Target:

Adrenergic Receptor

### Purity / Grade:

>98%

### Solubility:

DMSO : 25 mg/mL (89.02 mM; Need ultrasonic)

### Observed Molecular Weight:

280.84

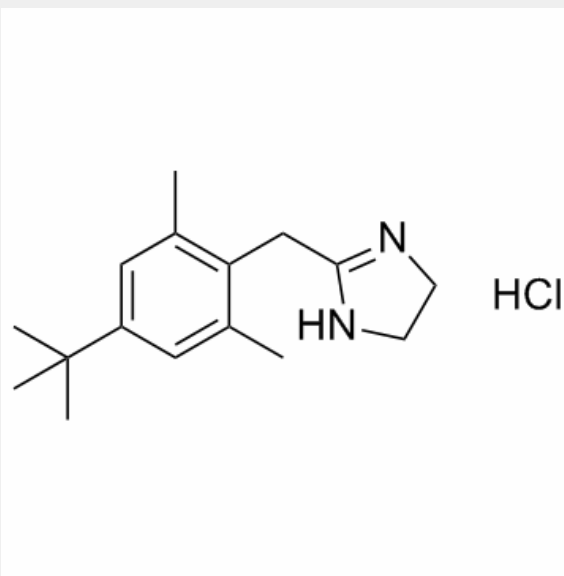
## Product Description

Xylometazoline Hydrochloride is an  $\alpha$ -adrenoceptor agonist commonly used as nasal decongestant.

Target:  $\alpha$ -Adrenoceptor

Xylometazoline is a nasal decongestant spray that constricts nasal blood vessels and increases nasal airflow, enabling patients with a blocked nose to breathe more easily. Xylometazoline is an effective and well-tolerated decongestant nasal spray that significantly relieved nasal congestion compared with placebo in the common cold and provided long-lasting relief with just 1 spray, helping patients to breathe more easily for a longer period of time [1]. Xylometazoline exhibited in radioligand competition studies higher

affinities than the catecholamines adrenaline and noradrenaline at most  $\alpha$ -adrenoceptor subtypes. Xylometazoline behaved at  $\alpha(2B)$  - adrenoceptors as full agonists [2].



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