

# Tiotropium (Bromide)

Catalog No: tcsc0903



## Available Sizes

**Size:** 200mg



## Specifications

**CAS No:**

136310-93-5

**Formula:**

$C_{19}H_{22}BrNO_4S_2$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

mAChR;mAChR

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 30$  mg/mL (63.50 mM)

**Alternative Names:**

BA679 BR

**Observed Molecular Weight:**

472.42

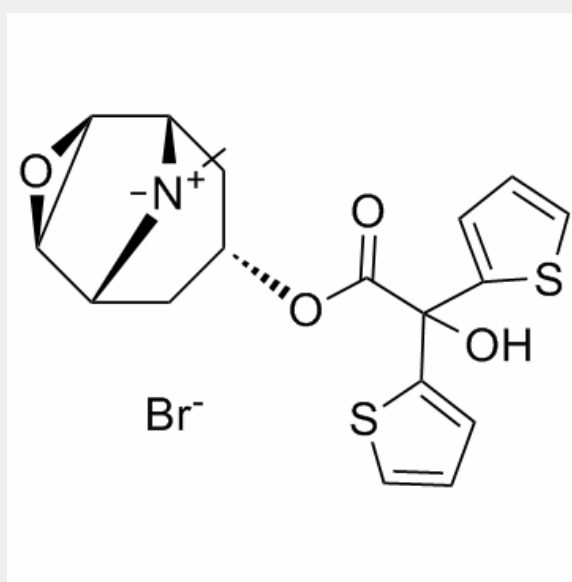
## Product Description

Tiotropium Bromide (BA679 BR) is a muscarinic acetylcholine receptor (mAChR) antagonist that blocks the binding of the acetylcholine ligand and subsequent opening of the ligand-gated ion channel.

IC50 & Target: mAChR

***In Vitro:***

Tiotropium Bromide stops signaling between neurons and leads to muscle relaxation. Tiotropium Bromide is a long-acting, 24 hour, anticholinergic bronchodilator used in the management of chronic obstructive pulmonary disease. Tiotropium Bromide improves symptoms of chronic obstructive pulmonary disease complicated by chronic heart failure.



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