

# Aclidinium (Bromide)

Catalog No: tcsc0896



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

320345-99-1

**Formula:**

$C_{26}H_{30}BrNO_4S_2$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

mAChR;mAChR

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 33.33 mg/mL (59.04 mM; Need ultrasonic)

**Alternative Names:**

LAS 34273;LAS-W 330

**Observed Molecular Weight:**

564.55

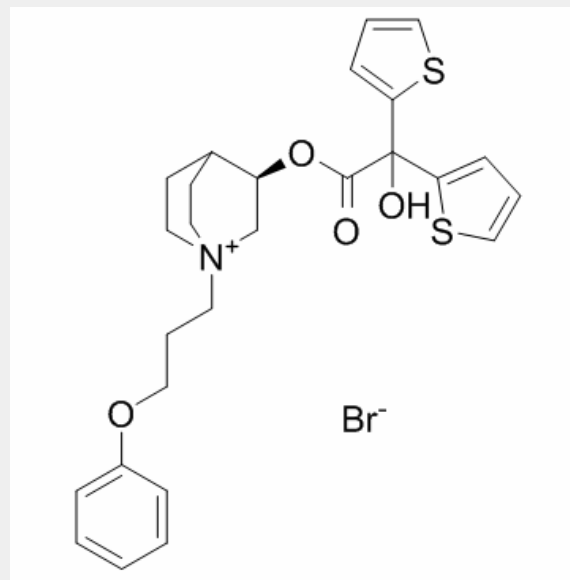
## Product Description

Aclidinium Bromide (LAS 34273; LAS-W 330) is a long-acting, inhaled muscarinic antagonist as a maintenance treatment for chronic obstructive pulmonary disease (COPD).

IC<sub>50</sub> value:

Target: M3 receptor

Preclinically, aclidinium showed potent antagonism of human muscarinic receptors, with a long residence time at M3 receptors and a shorter residence time at M2 receptors, indicating the potential to provide sustained bronchodilation. Aclidinium is rapidly hydrolysed in human plasma, unlike other currently available antimuscarinics including tiotropium. Early clinical studies in healthy subjects have confirmed the low systemic bioavailability and favourable safety profile of single and multiple doses of aclidinium. In a subsequent Phase IIb study, which included 464 patients with moderate to severe COPD, aclidinium displayed long-lasting bronchodilatory activity and was well tolerated.



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