

# Diphenmanil (methysulfate)

Catalog No: tcsc0906



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

62-97-5

**Formula:**

$C_{21}H_{27}NO_4S$

**Pathway:**

Neuronal Signaling;GPCR/G Protein

**Target:**

mAChR;mAChR

**Purity / Grade:**

>98%

**Solubility:**

: 16.67 mg/mL (42.80 mM; Need ultrasonic)

**Alternative Names:**

Diphemanil mesylate

**Observed Molecular Weight:**

389.51

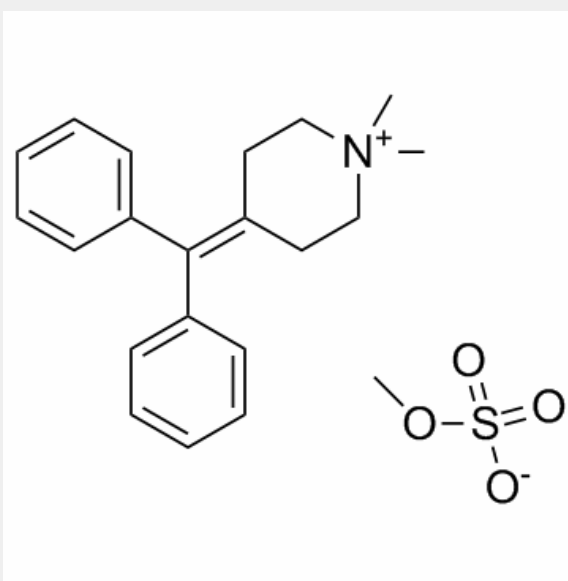
## Product Description

Diphemanil methysulfate is a quaternary ammonium anticholinergic. It binds muscarinic acetylcholine receptors and thereby decreases secretory excretion of stomach acids as well as saliva and sweat.

IC50 value:

Target: mAChR

Diphepanil Methylsulfate exerts its action by primarily binding the muscarinic M3 receptor. M3 receptors are located in the smooth muscles of the blood vessels, as well as in the lungs. This means they cause vasodilation and bronchoconstriction. They are also in the smooth muscles of the gastrointestinal tract (GIT), which help in increasing intestinal motility and dilating sphincters. The M3 receptors are also located in many glands which help to stimulate secretion in salivary glands and other glands of the body.



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