

# Ciproxifan (maleate)

Catalog No: tcsc0924



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

184025-19-2

**Formula:**

$C_{20}H_{22}N_2O_6$

**Pathway:**

Immunology/Inflammation;GPCR/G Protein

**Target:**

Histamine Receptor;Histamine Receptor

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

FUB 359 maleate

**Observed Molecular Weight:**

386.4

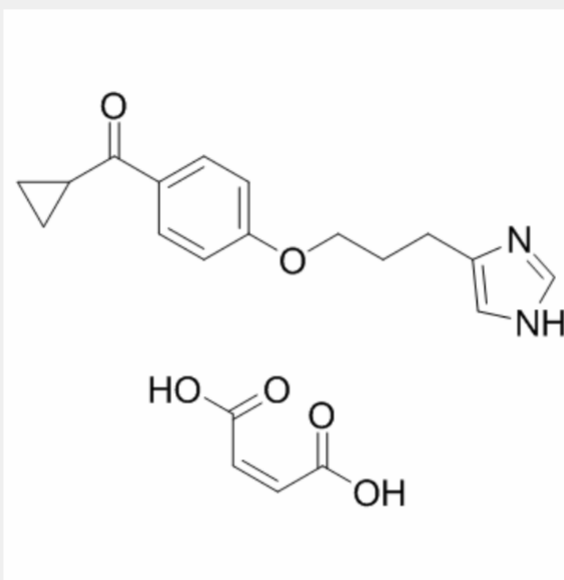
## Product Description

Ciproxifan maleate(FUB-359 maleate) is a highly potent and selective histamin H3-receptor antagonist with IC<sub>50</sub> of 9.2 nM, with low apparent affinity at other receptor subtypes.

IC<sub>50</sub> value:

Target: H3 receptor

In vitro, Ciproxifan behaved as a competitive antagonist at the H3 autoreceptor controlling 3H histamine release from synaptosomes and displayed similar K<sub>i</sub> values (0.5-1.9 nM) at the H3 receptor controlling the electrically-induced contraction of guinea pig ileum or at the brain H3 receptor labeled with 125I-iodoproxyfan. This appears to be an orally bioavailable, extremely selective and potent H3-receptor antagonist whose vigilance- and attention-promoting effects are promising for therapeutic applications in aging disorders.



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