

Pizotifen (malate)

Catalog No: tcsc1871



Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

5189-11-7

Formula:

$C_{23}H_{27}NO_5S$

Pathway:

Neuronal Signaling;GPCR/G Protein

Target:

5-HT Receptor;5-HT Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

BC-105 (malate);Pizotyline (malate)

Observed Molecular Weight:

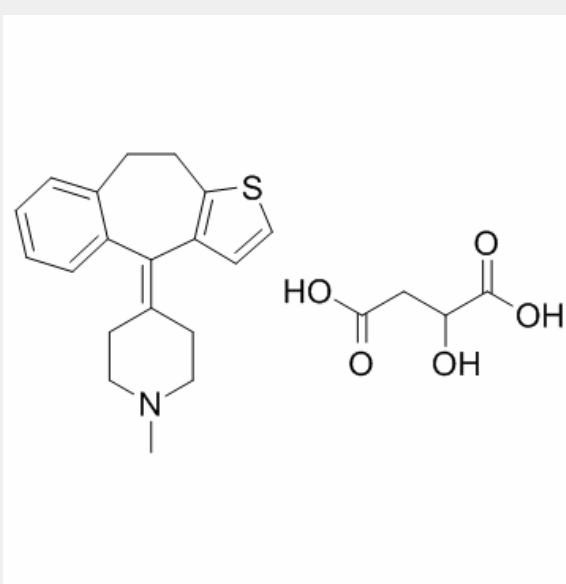
429.53

Product Description

Pizotifen malate is a potent **5-HT₂** receptor antagonist, with a high affinity for **5-HT_{1C}** binding site.

In Vitro: Pizotifen is a potent 5-HT₂ receptor antagonist, with a high affinity for 5-HT_{1C} binding site^[1]. Pizotifen is an antidepressant 5-HT_{2A} receptor antagonist and has the capacity to inhibit serotonin-enhanced ADP-induced platelet aggregation^[2].

In Vivo: The weights of the fetuses are significantly reduced by all administered doses of Pipethiadene and Pizotifen malate; the weights of the placentas are significantly reduced after 0.6 and 1.2 mg/kg Pipethiadene and only after the middle dose of Pizotifen malate. The means of the implantations, live, dead fetuses, resorptions and the occurrence of external, skeletal and visceral anomalies do not differ from the control group. The number of chromosome aberrations in the bone marrow cells of treated mice does not differ significantly from the negative control group. The micronucleus test reveals no elevation in the frequency of micronuclei as compared to the control group. After the two higher doses of both Pipethiadene and Pizotifen maleate, the mitotic indices are lower than in the control group^[3].



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