Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

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

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Pizotifen malate is a potent **5-HT$_2$** receptor antagonist, with a high affinity for **5-HT$_{1C}$** binding site.

In Vitro: Pizotifen is a potent 5-HT$_2$ receptor antagonist, with a high affinity for 5-HT$_{1C}$ binding site[1]. Pizotifen is an antidepresent 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].