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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Ketanserin tartrate

Serotonin 5HT2A Antagonist
Catalog No. SIH-618



Discovery through Partnership | Excellence through Quality

Product Name

Ketanserin tartrate

Description

Serotonin 5HT2A Antagonist

Purity

>98% (HPLC); NMR (conforms)

CAS No.

83846-83-7

Molecular Formula

$C_{22}H_{22}FN_3O_3 \cdot C_4H_6O_6$

Molecular Weight

545.5

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties

Storage Temperature

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Antagonist

Solubility

May be dissolved in DMSO (30 mg/ml); or Water (5 mg/ml)

Source

Synthetic

Appearance

White powder

SMILES

C1CN(CCC1C(=O)C2=CC=C(C=C2)F)CCN3C(=O)C4=CC=CC=C4NC3=O.C(C(C(=O)O)O)(C(=O)O)O

InChI

InChI=1S/C22H22FN3O3.C4H6O6/c23-17-7-5-15(6-8-17)20(27)16-9-11-25(12-10-16)13-14-26-21(28)18-3-1-2-4-19(18)24-22(26)29;5-1(3(7)8)2(6)4(9)10/h1-8,16H,9-14H2,(H,24,29);1-2,5-6H,(H,7,8)(H,9,10)

InChIKey

KMTLTEVOQLMYRS-UHFFFAOYSA-N

Safety Phrases

Classification: Danger.

Hazard Statements: H301

Precautionary Statements: P264 - P270 - P301 + P310 - P405 - P501

Cite This Product

Ketanserin tartrate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-618)

Biological Description

Alternative Names

3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,4(1H,3H)-quinazolinedione, tartrate; R41468

Research Areas

Ion Channels, Neuroscience, Neurotransmission, Neurotransmitter Receptors, Potassium Channels

PubChem ID

135348

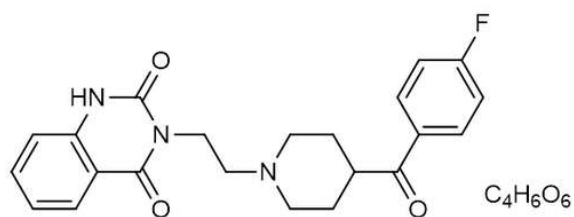
Scientific Background

A selective serotonin 5-HT_{2A} receptor antagonist (IC₅₀ = 6.3 nM) (1). Also exhibits significant selectivity for the human 5-HT_{1Dα} receptor (2). Was shown to be effective for the treatment of hypertension following coronary artery surgery (3). It has been used to disrupt the hallucinogenic effects of psilocybin and to explore cognitive effects of the 5-HT_{2A} receptor (4).

References

1. Leysen JE., et al. (1981) Life Sci. 28:1015.
 2. Zgombick JM., et al. (1995) Eur. J. Pharmacol. 291:9.
 3. Vandembroucke G., et al.(1994) J. Cardiothorac. Vasc. Anesth. 8: P324.
 4. Quednow BB.,et al. (2012) Neuropsychopharmacology. 37:630.
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Product Images



Product Citations

Reviews

There are no reviews yet.