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DATASHEET

Ketanserin tartrate

Product overview

Name	Ketanserin tartrate
Cat No	HB1641
Alternative names	R 41 468
Biological action	Antagonist
Purity	>97%
Description	Selective 5-HT ₂ receptor antagonist

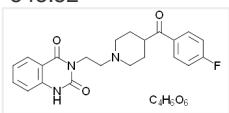
Biological Data

Biological description	Selective 5-HT ₂ serotonin receptor antagonist. Shows dose-dependent α - ₁ adrenoceptor inhibition. Used to differentiate between 5-HT _{1D} subtypes by showing selectivity for 5-HT _{1Da} . Shows antihypertensive, antidepressant and anti-leishmaniasis actions.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	DMSO (100mM) and Water (10mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	3-[2-[4-(4-Fluorobenzoyl)-1-piperidinyl]ethyl]-2,4[1 <i>H</i> ,3 <i>H</i>]-quinazolin-2(1 <i>H</i>)-one tartrate
Molecular Weight	545.52
Chemical structure	 C ₂₂ H ₂₂ FN ₃ O ₃ ·C ₄ H ₆ O ₆
Molecular Formula	C ₂₂ H ₂₂ FN ₃ O ₃ ·C ₄ H ₆ O ₆
CAS Number	83846-83-7
PubChem identifier	135348
SMILES	OC(C(O)C(O)=O)C(O)=O.Fc1=cc=c(c=c1)C(=O)C1CCN(CCN2C(=O)NC3=CC=CC=C3C2=O)CC1
InChiKey	KMTLTEVOQLMYRS-UHFFFAOYSA-N

References

Antihypertensive properties of ketanserin (R 41 468).

Vanhoutte PM *et al* (1983) Fed Proc 42(2)

PubMedID [6295821](#)

Differences in the effects of ketanserin and GR127935 on 5-HT-receptor mediated responses in rabbit saphenous vein and guinea-pig jugular vein.

Razzaque Z *et al* (1995) Eur J Pharmacol 283(1-3)

PubMedID [7498311](#)

Ketanserin, an antidepressant, exerts its antileishmanial action via inhibition of 3-hydroxy-3-methylglutaryl coenzyme A reductase (HMGR) enzyme of *Leishmania donovani*.

Singh S *et al* (2014) Parasitol Res 113(6)

PubMedID [24728519](#)
