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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

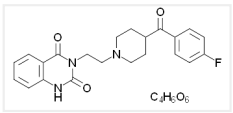
Biological Data

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_{1D}α. Shows antihypertensive, antidepressant and anti-leishmaniasis actions.

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*H*,3*H*]-quinazolinedione tartrate
Molecular Weight	545.52
Chemical structure	
Molecular Formula	$C_{22}H_{22}FN_3O_3.C_4H_6O_6$
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