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## DATASHEET

Ketanserin tartrate

### Product overview

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

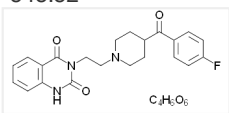
### Biological Data

<b>Biological description</b>	Selective 5-HT <sub>2</sub> serotonin receptor antagonist. Shows dose-dependent $\alpha$ - <sub>1</sub> adrenoceptor inhibition. Used to differentiate between 5-HT <sub>1D</sub> subtypes by showing selectivity for 5-HT <sub>1D</sub> $\alpha$ . Shows antihypertensive, antidepressant and anti-leishmaniasis actions.
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### Solubility & Handling

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

### Chemical Data

<b>Chemical name</b>	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
<b>Molecular Weight</b>	545.52
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>22</sub> FN <sub>3</sub> O <sub>3</sub> ·C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>
<b>CAS Number</b>	83846-83-7
<b>PubChem identifier</b>	135348
<b>SMILES</b>	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
<b>InChiKey</b>	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](#)

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