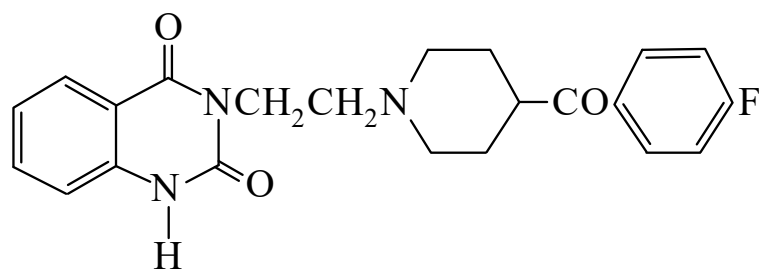




>>Entry Name: Ketanserin, BAN, INN, USAN

Synonym(s): 3-[2-[4-(4-Fluorobenzoyl)piperidinyl]ethyl]quinazoline-2,4(1*H*,3*H*)-dione, 9Cl. Aseranox. Ket. Perketan. Serefrex. Serepress. Sufrexal. R 41468. Many other names



CAS Registry Number: 74050-98-9

Related CAS Registry Numbers(s): 83846-83-7

Molecular Formula: C₂₂H₂₂FN₃O₃

Molecular Weight: 395.432

Accurate Mass: 395.16452

Percentage Composition: C 66.82%; H 5.61%; F 4.80%; N 10.63%; O 12.14%

Use/Importance: 5-HT_{2A}-receptor and α₁-adrenoceptor antagonist; antihypertensive agent

Development Status: Launched 1985

Melting Point: Mp 227-235°

Calculated Log P Data: Log P 3.02 (calc)

Fluka: 60712

Sigma: K4878

>>Derivative: Tartrate

Synonym(s): R 49945

CAS Registry Number: 83846-83-7

Hazard & Toxicity: LD₅₀ (rat, orl) 129 mg/kg. LD₅₀ (rat, ipr) 204 mg/kg. Exp. reprod. and teratogenic effects

References:

- Eur. Pat.*, 1980, *Janssen*, 13 612; *CA*, **94**, 65718a, (*synth, pharmacol*)
Leysen, J.E. *et al.*, *Life Sci.*, 1981, **28**, 1015, (*pharmacol*)
de Clerck, F. *et al.*, *Agents Actions*, 1982, **12**, 3, (*pharmacol*)
Peeters, O.M. *et al.*, *Cryst. Struct. Commun.*, 1982, **11**, 375, (*cryst struct*)
Simon, V. *et al.*, *J. Chromatogr.*, 1982, **232**, 186, (*hplc*)
Van Neuten, J.M. *et al.*, *Bibl. Cardiol.*, 1984, **38**, 222, (*rev*)
Meuldermans, W. *et al.*, *Drug Metab. Dispos.*, 1984, **12**, 772, (*metab*)
Amery, A. *et al.*, *J. Cardiovasc. Pharmacol.*, (Suppl. 7), 1985, **7**, 176, (*rev*)
Geerts, R. *et al.*, *Arzneim.-Forsch.*, 1988, 775; 785; 789; 794, (*pharmacokinet, metab*)
Brogden, R.N. *et al.*, *Drugs*, 1990, **40**, 903, (*rev*)
Wong, Y.W.J. *et al.*, *J. Chromatogr.*, 1991, **571**, 318, (*hplc*)
Herndon, J.L. *et al.*, *J. Med. Chem.*, 1992, **35**, 4903, (*sar*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 366
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., *Akademie-Verlag*, 1994, 8845, (*synonyms*)
Ishmaiel, A.M. *et al.*, *J. Med. Chem.*, 1995, **38**, 1196, (*sar*)