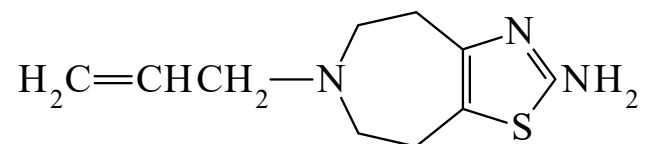




>>Entry Name: Talipexole, INN

Synonym(s): 5,6,7,8-Tetrahydro-6-(2-propenyl)-4*H*-thiazolo[4,5-*d*]azepin-2-amine, 9Cl. 6-Allyl-2-amino-5,6,7,8-tetrahydro-4*H*-thiazolo[4,5-*d*]azepine. Alefexole. Domin



CAS Registry Number: 101626-70-4

Molecular Formula: C₁₀H₁₅N₃S

Molecular Weight: 209.315

Accurate Mass: 209.098667

Percentage Composition: C 57.38%; H 7.22%; N 20.08%; S 15.32%

Use/Importance: α₂-Adrenoceptor agonist. Dopamine D₂ receptor agonist. Antiparkinsonian antinociceptive, antiinflammatory agent

Development Status: Launched 1996 (Japan) (Boehringer Ingelheim)

Calculated Log P Data: Log P 0.97 (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): BHT 920

CAS Registry Number: 36085-73-1

Melting Point: Mp 245 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) 403 mg/kg. LD₅₀ (rat, ivn) 66 mg/kg. Exp. fetotoxic and other reprod. effects

References:

Ger. Pat., 1972, *Dr Karl Thomae*, 2 040 510; *CA*, **76**, 140925, (*synth, pharmacol*)

Pichler, L. *et al.*, *J. Cardiovasc. Pharmacol.*, 1981, **3**, 269, (*pharmacol*)

Luger, P. *et al.*, *Acta Cryst. B*, 1986, **42**, 478, (*cryst struct*)

Kulkarni, S.K. *et al.*, *Methods Find. Exp. Clin. Pharmacol.*, 1990, **12**, 99, (*pharmacol, rev*)

Mizuno, Y. *et al.*, *Drug Invest.*, 1993, **5**, 186, (*clin trial*)