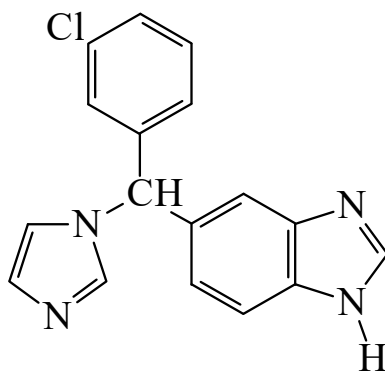




>>Entry Name: Liarozole, BAN, INN

Synonym(s): 5-[(3-Chlorophenyl)-1*H*-imidazol-1-ylmethyl]-1*H*-benzimidazole, 9CI



Related CAS Registry Numbers(s): 115576-08-4

Molecular Formula: C₁₇H₁₃ClN₄

Molecular Weight: 308.769

Accurate Mass: 308.082873

Percentage Composition: C 66.13%; H 4.24%; Cl 11.48%; N 18.15%

Use/Importance: Antiandrogen, antineoplastic agent; aromatase inhibitor. Inhibits retinoic acid metabolism. Investigated for treatment of prostatic cancer

Calculated Log P Data: Log P 3.04 (calc)

>>Variant: (±)-form

CAS Registry Number: 115575-11-6

Molecular Formula: C₁₇H₁₃ClN₄

Molecular Weight: 308.769

Accurate Mass: 308.082873

Percentage Composition: C 66.13%; H 4.24%; Cl 11.48%; N 18.15%

Melting Point: Mp 108.2°

>>Derivative: Hydrochloride

Synonym(s): Liarozole hydrochloride, USAN. R 72521

CAS Registry Number: 145858-50-0

>>Derivative: Fumarate (2:3)

Synonym(s): Liarozole fumarate, USAN. R 85246

CAS Registry Number: 145858-52-2

References:

Eur. Pat., 1988, *Janssen*, 260 744; *CA*, **109**, 73437b, (*synth, pharmacol*)

Vanden Bossche, H. *et al.*, *Biochem. Soc. Trans.*, 1990, **18**, 10, (*rev*)

Van Wauwe, J.P. *et al.*, *J. Pharmacol. Exp. Ther.*, 1990, **252**, 365; 1992, **261**, 773, (*pharmacol*)

Wouters, W. *et al.*, *Cancer Res.*, 1992, **52**, 2841, (*pharmacol*)

De Coster, R. *et al.*, *J. Steroid Biochem.*, 1992, **43**, 197, (*rev*)

Mahler, C. *et al.*, *Cancer Chemother., Suppl.*, 1993, **71**, 1068, (*clin trial*)

Stearns, M.E. *et al.*, *Cancer Res.*, 1993, **53**, 3073, (*pharmacol*)

Van Wauwe, J. *et al.*, *Biochem. Pharmacol.*, 1994, **47**, 737