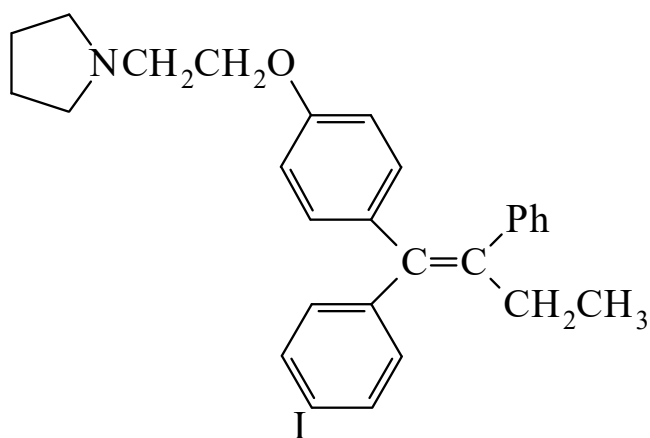




>>Entry Name: Idoxifene, BAN, INN, USAN

Synonym(s): 1-[2-[4-[1-(4-Iodophenyl)-2-phenyl-1-butenyl]phenoxy]ethyl]pyrrolidine, 9CI



CAS Registry Number: 116057-75-1

Related CAS Registry Numbers(s): 129983-70-6

Molecular Formula: C₂₈H₃₀INO

Molecular Weight: 523.456

Accurate Mass: 523.137212

Percentage Composition: C 64.25%; H 5.78%; I 24.24%; N 2.68%; O 3.06%

Use/Importance: Potentially useful for treatment of hormone-dependent breast cancer. Antiestrogen, antineoplastic agent

Development Status: Phase I clinical trials (1995). Development discontinued (1999)

Calculated Log P Data: Log P 8.63 (uncertain value) (calc)

>>Variant: (*E*)-form

Molecular Formula: C₂₈H₃₀INO

Molecular Weight: 523.456

Accurate Mass: 523.137212

Percentage Composition: C 64.25%; H 5.78%; I 24.24%; N 2.68%; O 3.06%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 108.5-109°

Other Data: The (*E*)-config. corresponds to the pharmacol. active *Z*-isomer of Tamoxifen [BSS82-Q](#)

References:

Eur. Pat., 1988, NRDC, 260 066; *CA*, **109**, 110011f, (*synth, pharmacol*)

McCague, R. *et al.*, *J. Med. Chem.*, 1989, **32**, 2527, (*synth, pharmacol*)

Chander, S.K. *et al.*, *Cancer Res.*, 1991, **51**, 5851, (*pharmacol*)

McCague, R. *et al.*, *Org. Prep. Proced. Int.*, 1994, **26**, 343, (*synth*)

Coombes, R.C. *et al.*, *Cancer Res.*, 1995, **55**, 1070, (*clin trial*)