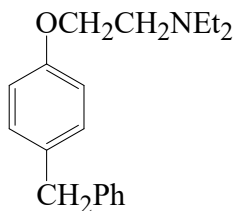




>>Entry Name: Tesmilifene, INN

Synonym(s): *N,N*-Diethyl-2-[4-(phenylmethyl)phenoxy]ethanamine, 9CI. 2-[(α -Phenyl-*p*-tolyl)oxy]triethylamine. DPPE



CAS Registry Number: 98774-23-3

Molecular Formula: C₁₉H₂₅NO

Molecular Weight: 283.413

Accurate Mass: 283.193614

Percentage Composition: C 80.52%; H 8.89%; N 4.94%; O 5.65%

Biological Use/Importance: Antiestrogen. Intracellular histamine H_{1c}- receptor antagonist. Chemopotentiator, enhances *in vivo* antitumour activity of cytotoxic agents e.g. doxorubicin, cyclophosphamide, cisplatin

>>Derivative: Hydrochloride

Synonym(s): Tesmilifene hydrochloride, USAN

CAS Registry Number: 92981-78-7

Physical Description: Cryst. (2-propanol)

References:

- Brandes, L.J., *Biochem. Biophys. Res. Commun.*, 1984, **124**, 244-249, (*pharmacol*)
Eur. Pat., 1985, 153 160; *CA*, **104**, 33851x, (*synth, pharmacol*)
Fargin, A. *et al.*, *Chem. Biol. Interact.*, 1988, **66**, 101-109, (*synth, pharmacol*)
Kudoh, K. *et al.*, *Eur. J. Cancer*, 1997, **33**, 122-128, (*pharmacol*)
Ferrante, K. *et al.*, *Cancer Chemother. Pharmacol.*, 1999, **43**, S61-S68, (*rev*)
Deli, M.A. *et al.*, *Eur. J. Pharmacol.*, 2000, **387**, 63-72, (*pharmacol*)