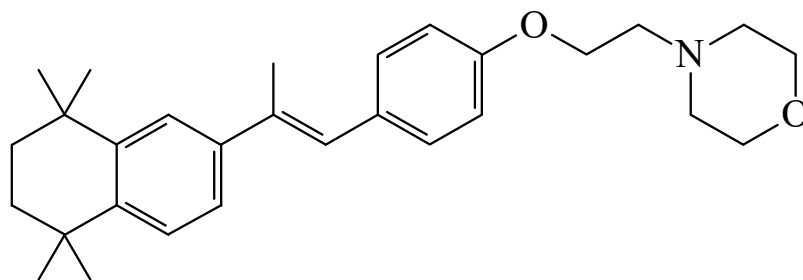




>>Entry Name: Mofarotene, INN

Synonym(s): 4-[2-[4-[2-(5,6,7,8-Tetrahydro-5,5,8,8-tetramethyl-2-naphthalenyl)-1-propenyl]phenoxy]ethyl]morpholine, 9Cl. Ro 40-8757



Molecular Formula: C₂₉H₃₉NO₂

Molecular Weight: 433.633

Accurate Mass: 433.298079

Percentage Composition: C 80.33%; H 9.06%; N 3.23%; O 7.38%

Use/Importance: Antineoplastic agent, also effective in combination chemotherapies

Calculated Log P Data: Log P 8.48 (uncertain value) (calc)

>>Variant: (E)-form

CAS Registry Number: 125533-88-2

Molecular Formula: C₂₉H₃₉NO₂

Molecular Weight: 433.633

Accurate Mass: 433.298079

Percentage Composition: C 80.33%; H 9.06%; N 3.23%; O 7.38%

Physical Description: Cryst. (AcOH/hexane)

Melting Point: Mp 107-109°

References:

Eur. Pat., 1989, *Hoffmann-La Roche*, 331 983; *CA*, **112**, 118441d, (*synth, pharmacol*)

Eliason, J.F. *et al.*, *Int. J. Cancer*, 1994, **57**, 192, (*pharmacol*)

Uchida, T. *et al.*, *Int. J. Cancer*, 1994, **58**, 891, (*pharmacol*)

Arnold, A. *et al.*, *Leukemia, Suppl. 3*, 1994, **8**, S42, (*rev*)

Tanaka, T. *et al.*, *Carcinogenesis (London)*, 1995, **16**, 1903, (*activity*)