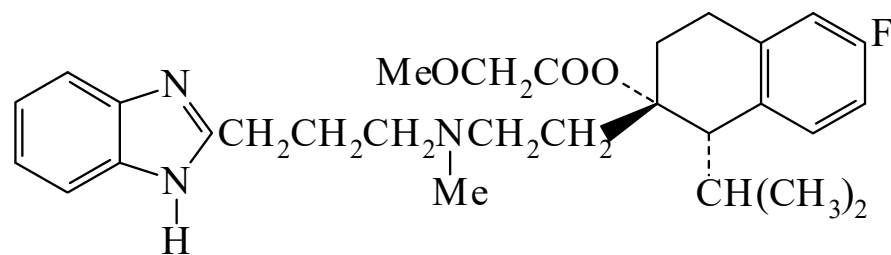




>>Entry Name: Mibefradil, BAN, INN

Synonym(s): 2-[2-[[3-(1*H*-Benzimidazol-2-yl)propyl]methylamino]ethyl]-6-fluoro-1,2,3,4-tetrahydro-1-(1-methylethyl)-2-naphthalenyl methoxyacetate. Posicor. Ro 40-5967



CAS Registry Number: 116644-53-2

Molecular Formula: C₂₉H₃₈FN₃O₃

Molecular Weight: 495.636

Accurate Mass: 495.28972

Percentage Composition: C 70.28%; H 7.73%; F 3.83%; N 8.48%; O 9.68%

Biological Use/Importance: Calcium antagonist. Potential antihypertensive and antianginal agent

Development Status: Approved by FDA (1997)

Calculated Log P Data: Log P 5.18 (calc)

Other Data: Stereochem. is (1*S*,2*S*)

>>Derivative: Hydrochloride (1:2)

Synonym(s): Mibefradil dihydrochloride, USAN

CAS Registry Number: 116666-63-8

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 128°

References:

- Eur. Pat.*, 1988, *Hoffmann-La Roche*, 268 148; *CA*, **109**, 149535e, (*synth, pharmacol*)
Osterrieder, W. *et al.*, *J. Cardiovasc. Pharmacol.*, 1989, **13**, 754, (*pharmacol*)
Clozel, J.P. *et al.*, *Cardiovasc. Drug Rev.*, 1991, **9**, 4, (*rev*)
Orito, K. *et al.*, *J. Cardiovasc. Pharmacol.*, 1993, **22**, 293, (*pharmacol*)
Lacinová, L. *et al.*, *J. Pharmacol. Exp. Ther.*, 1995, **274**, 54, (*pharmacol*)
Brogden, R.N. *et al.*, *Drugs*, 1997, **54**, 774-793, (*rev*)