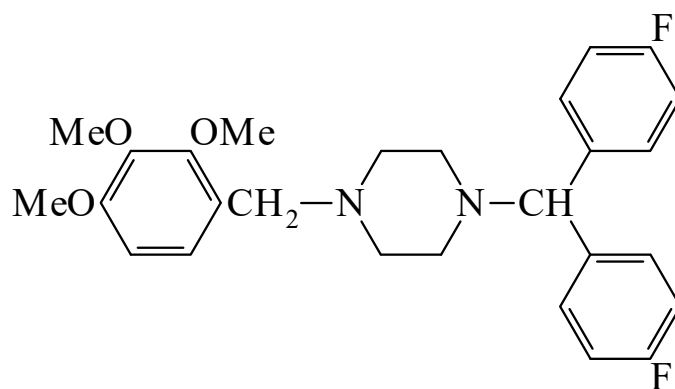




>>Entry Name: Lomerizine

Synonym(s): 1-[Bis(4-fluorophenyl)methyl]-4-[(2,3,4-trimethoxyphenyl)methyl]piperazine, 9Cl. Flometizine. Migsis. Teranas. KB 2796



Related CAS Registry Numbers(s): 101477-55-8 101477-56-9

Molecular Formula: C₂₇H₃₀F₂N₂O₃

Molecular Weight: 468.542

Accurate Mass: 468.222449

Percentage Composition: C 69.21%; H 6.45%; F 8.11%; N 5.98%; O 10.24%

Use/Importance: Calcium and sodium antagonist. Cerebral vasodilator. Agent for cognition disorders. Blocks glutamate-induced neurotoxicity. Antimigraine agent

Development Status: Launched 1999 (Japan)

Calculated Log P Data: Log P 5.01 (calc)

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 101477-54-7

Physical Description: Cryst. (MeCN)

Melting Point: Mp 204-207 dec.°

Hazard & Toxicity: LD₅₀ (mus, orl) 300 mg/kg

References:

Eur. Pat., 1985, Kanebo, 159 566; *CA*, **104**, 155975m, (*synth, pharmacol*)

Ohtaka, H. *et al.*, *Chem. Pharm. Bull.*, 1987, **35**, 3270; 1989, **37**, 3122, (*synth, pharmacol*)

Handa, J. *et al.*, *Cardiovasc. Drug Rev.*, 1990, **8**, 105, (*rev*)

Kawashima, T. *et al.*, *J. Pharmacobio-Dyn.*, 1991, **14**, 449, (*metab*)

Hara, H. *et al.*, *Jpn. J. Pharmacol.*, 1993, **61**, 361, (*pharmacol*)

Hara, H. *et al.*, *CNS Drug Rev.*, 1995, **1**, 204, (*rev*)