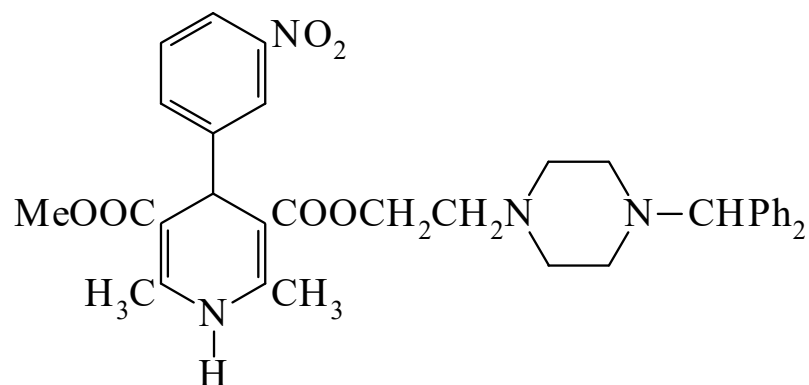




>>Entry Name: Manidipine, INN

Synonym(s): 2-[4-(Diphenylmethyl)-1-piperazinyl]ethyl methyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, 9Cl. Franidipine



CAS Registry Number: 89226-50-6

Related CAS Registry Numbers(s): 120092-68-4

Molecular Formula: C₃₅H₃₈N₄O₆

Molecular Weight: 610.708

Accurate Mass: 610.279136

Percentage Composition: C 68.84%; H 6.27%; N 9.17%; O 15.72%

Biological Use/Importance: Ca antagonist. Antihypertensive agent.

Physical Description: Light yellow cryst. (diisopropyl ether/hexane)

Development Status: Launched 1990

Melting Point: Mp 125-128°

Calculated Log P Data: Log P 6.41 (uncertain value) (calc)

>>Derivative: Hydrochloride (1:2)

Synonym(s): Manidipine hydrochloride. Calslot. CV 4093

CAS Registry Number: 89226-75-5

Physical Description: Dimorph. yellow cryst.

Melting Point: Mp 157-163°. Mp 204-206.5°

References:

- Meguro, K. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 3787, (*synth, pharmacol*)
Okabe, K. *et al.*, *J. Pharmacol. Exp. Ther.*, 1987, **243**, 703, (*pharmacol*)
Nakaya, H. *et al.*, *Eur. J. Pharmacol.*, 1988, **146**, 35, (*pharmacol*)
Kajino, M. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 2225, (*synth, abs config*)
Cheer, S.M. *et al.*, *Drugs*, 2001, **61**, 1777-1799, (*rev*)