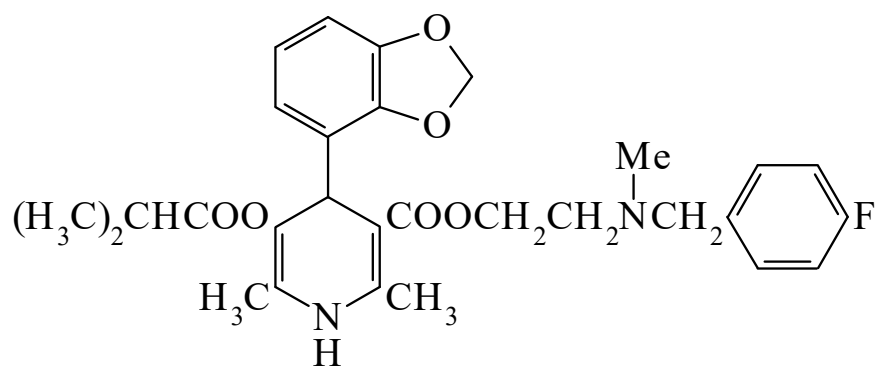




>>Entry Name: Elgodipine, INN

Synonym(s): 2-[[[4-(4-Fluorophenyl)methyl]methylamino]ethyl 1-methylethyl 4-(1,3-benzodioxol-4-yl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate, 9CI



Related CAS Registry Numbers(s): 121488-95-7 121489-04-1

Type of Compound Code(s): XA7000 XA2620

Molecular Formula: C₂₉H₃₃FN₂O₆

Molecular Weight: 524.588

Accurate Mass: 524.232266

Percentage Composition: C 66.40%; H 6.34%; F 3.62%; N 5.34%; O 18.30%

Use/Importance: Calcium channel antagonist. Coronary vasodilator

Calculated Log P Data: Log P 4.86 (uncertain value) (calc)

>>Variant: (±)-form

CAS Registry Number: 119413-55-7

Molecular Formula: C₂₉H₃₃FN₂O₆

Molecular Weight: 524.588

Accurate Mass: 524.232266

Percentage Composition: C 66.40%; H 6.34%; F 3.62%; N 5.34%; O 18.30%

>>Derivative: Hydrochloride

Melting Point: Mp 194-195°

References:

- Eur. Pat.*, 1989, *Inst Invest Desarrollo Quim Biol*, 302 980; *CA*, **111**, 39352b, (*synth, pharmacol*)
Sassen, L.M.A. *et al.*, *Br. J. Pharmacol.*, 1990, **99**, 355, (*pharmacol*)
Tamargo, J. *et al.*, *Arzneim.-Forsch.*, 1991, **41**, 895, (*pharmacol*)
Drieu La Rochelle, C.D. *et al.*, *Br. J. Pharmacol.*, 1994, **111**, 49, (*pharmacol, dog*)
Acharya, D.U. *et al.*, *Eur. Heart J.*, 1994, **15**, 665, (*clin trial*)