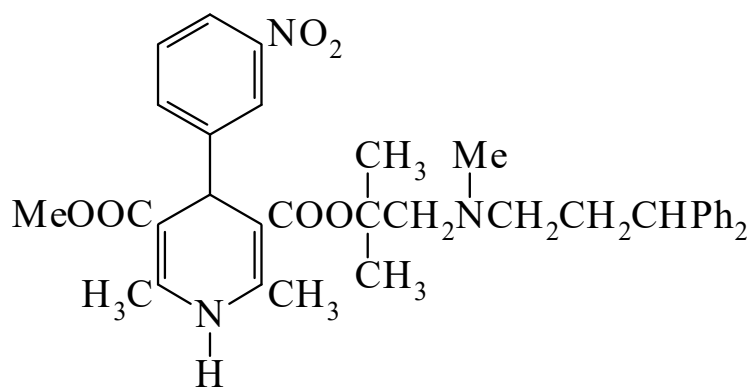




>>Entry Name: Lercanidipine, BAN, INN

Synonym(s): 2-[(3,3-Diphenylpropyl)methylamino]-1,1-dimethylethyl methyl 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, 9Cl. Masnidipine. Zanidip. Rec 15/2375



CAS Registry Number: 100427-26-7

Related CAS Registry Numbers(s): 132866-11-6

Molecular Formula: C₃₆H₄₁N₃O₆

Molecular Weight: 611.736

Accurate Mass: 611.299537

Percentage Composition: C 70.68%; H 6.76%; N 6.87%; O 15.69%

Biological Use/Importance: Calcium antagonist. Antihypertensive agent

Calculated Log P Data: Log P 7.04 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (mus, orl) 657 mg/kg. LD₅₀ (mus, ipr) 83 mg/kg

>>Derivative: Hydrochloride

CAS Registry Number: 100427-27-8

Physical Description: Solid + 0.5H₂O

Melting Point: Mp 119-123°

References:

- Eur. Pat.*, 1985, *Recordati*, 153 016; *CA*, **104**, 88442v, (*synth, pharmacol*)
Bianchi, G. *et al.*, *IRCS Med. Sci. : Libr. Compend.*, 1986, **14**, 817, (*pharmacol*)
Bianchi, G. *et al.*, *Pharmacol. Res.*, 1989, **21**, 193, (*pharmacol*)
Meredith, P.A. *et al.*, *Expert Opin. Invest. Drugs*, 1999, **8**, 1043-1062
McClellan, K.J. *et al.*, *Drugs*, 2000, **60**, 1123-1140, (*rev*)