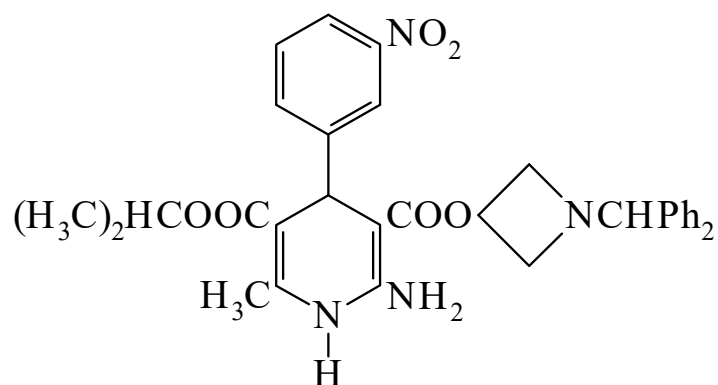




>>Entry Name: Azelnidipine

Synonym(s): 3-[1-(Diphenylmethyl)-3-azetidiny] 5-(1-methylethyl) 2-amino-1,4-dihydro-6-methyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylate, 9Cl. CS 905



Molecular Formula: C₃₃H₃₄N₄O₆

Molecular Weight: 582.655

Accurate Mass: 582.247836

Percentage Composition: C 68.03%; H 5.88%; N 9.62%; O 16.48%

Use/Importance: Calcium channel antagonist. Potential antihypertensive agent

Experimental Log P Data: Log P 5.18 (exp)

>>Variant: (±)-form

CAS Registry Number: 123524-52-7

Molecular Formula: C₃₃H₃₄N₄O₆

Molecular Weight: 582.655

Accurate Mass: 582.247836

Percentage Composition: C 68.03%; H 5.88%; N 9.62%; O 16.48%

Physical Description: Light yellow powder (C₆H₆/hexane)

Melting Point: Mp 120-124°

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 116574-11-9

Physical Description: Light yellow powder

Melting Point: Mp 118-120°

References:

Eur. Pat., 1988, *Sankyo*, 266 922; *CA*, **109**, 149361v, (*synth, pharmacol*)

Oizumi, K. *et al.*, *Jpn. J. Pharmacol.*, 1989, **51**, 57; 1990, **53**, 264, (*pharmacol*)

Yagil, Y. *et al.*, *Am. J. Hypertens.*, 1994, **7**, 637, (*pharmacol*)

Yagil, Y. *et al.*, *Cardiovasc. Drug Rev.*, 1995, **13**, 137, (*rev*)

Kobayashi, T. *et al.*, *Chem. Pharm. Bull.*, 1995, **43**, 797, (*synth, ir, pmr, pharmacol*)