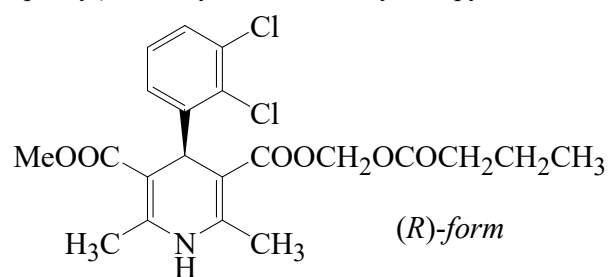




>>Entry Name: Clevidipine, INN

Synonym(s): Methyl (1-oxobutoxy)methyl 4-(2,3-dichlorophenyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate, 9Cl



CAS Registry Number: 167221-71-8

Related CAS Registry Numbers(s): 166432-28-6

Molecular Formula: C₂₁H₂₃Cl₂NO₆

Molecular Weight: 456.321

Accurate Mass: 455.090243

Percentage Composition: C 55.27%; H 5.08%; Cl 15.54%; N 3.07%; O 21.04%

Biological Use/Importance: Calcium channel blocker. Antihypertensive agent

>>Variant: (R)-form

CAS Registry Number: 167356-40-3

Molecular Formula: C₂₁H₂₃Cl₂NO₆

Molecular Weight: 456.321

Accurate Mass: 455.090243

Percentage Composition: C 55.27%; H 5.08%; Cl 15.54%; N 3.07%; O 21.04%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 128-129°

Optical Rotation: $[\alpha]_D^{20} -21.5$ (c, 1 in MeOH)

>>Variant: (S)-form

CAS Registry Number: 167356-39-0

Molecular Formula: C₂₁H₂₃Cl₂NO₆

Molecular Weight: 456.321

Accurate Mass: 455.090243

Percentage Composition: C 55.27%; H 5.08%; Cl 15.54%; N 3.07%; O 21.04%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 128-129°

Optical Rotation: $[\alpha]_D^{20} +17.5$ (c, 1 in MeOH)

>>Variant: (±)-form

Molecular Formula: C₂₁H₂₃Cl₂NO₆

Molecular Weight: 456.321

Accurate Mass: 455.090243

Percentage Composition: C 55.27%; H 5.08%; Cl 15.54%; N 3.07%; O 21.04%

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 136.2-138.5°

References:

Pat. Coop. Treaty (WIPO), 1995, Astra, 95 12 578; CA, **123**, 313768v, (synth, pharmacol)