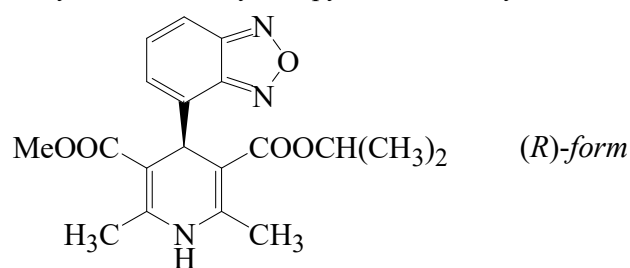




>>Entry Name: **Isradipine**, BAN, INN, USAN

Synonym(s): Isopropyl methyl 4-(4-benzofurazanyl)-1,4-dihydro-2,6-dimethyl-3,5-pyridinedicarboxylate. Isrodipine. DynaCirc. Lomir. Prescal. Rebriden. Vascal. PN 200-110



CAS Registry Number: 75695-93-1

Molecular Formula: C₁₉H₂₁N₃O₅

Molecular Weight: 371.392

Accurate Mass: 371.148122

Percentage Composition: C 61.45%; H 5.70%; N 11.31%; O 21.54%

Use/Importance: Calcium channel antagonist; coronary and peripheral vasodilator. Antiatherosclerotic props.

Development Status: Launched 1989

Calculated Log P Data: Log P 3.14 (uncertain value) (calc)

Other Data: Used as (±)-form

>>Variant: (*R*)-form

Synonym(s): PN 205-034

CAS Registry Number: 84260-63-9

Molecular Formula: C₁₉H₂₁N₃O₅

Molecular Weight: 371.392

Accurate Mass: 371.148122

Percentage Composition: C 61.45%; H 5.70%; N 11.31%; O 21.54%

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 140°

Optical Rotation: [α]_D²⁰ -6.7 (c, 1.67 in EtOH)

>>Variant: (*S*)-form

Synonym(s): PN 205-033

CAS Registry Number: 84260-64-0

Molecular Formula: C₁₉H₂₁N₃O₅

Molecular Weight: 371.392

Accurate Mass: 371.148122

Percentage Composition: C 61.45%; H 5.70%; N 11.31%; O 21.54%

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 142°

Optical Rotation: [α]_D²⁰ +6.7 (c, 1.5 in EtOH)

Other Data: Pharmacol. more potent enantiomer

>>Variant: (±)-form

CAS Registry Number: 88977-22-4

Molecular Formula: C₁₉H₂₁N₃O₅

Molecular Weight: 371.392

Accurate Mass: 371.148122

Percentage Composition: C 61.45%; H 5.70%; N 11.31%; O 21.54%

Melting Point: Mp 131-153°

References: