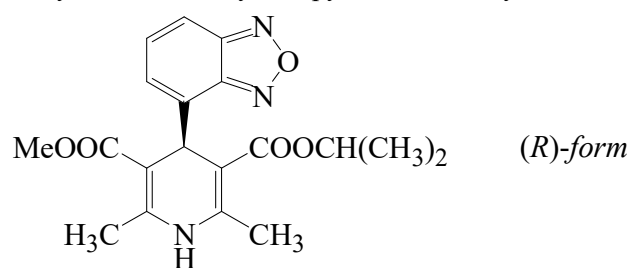




>>Entry Name: **Isradipine**, BAN, INN, USAN

**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:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>

**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:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>

**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. (Et<sub>2</sub>O/hexane)

**Melting Point:** Mp 140°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> -6.7 (c, 1.67 in EtOH)

>>Variant: (*S*)-form

**Synonym(s):** PN 205-033

**CAS Registry Number:** 84260-64-0

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>

**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. (Et<sub>2</sub>O/hexane)

**Melting Point:** Mp 142°

**Optical Rotation:** [α]<sub>D</sub><sup>20</sup> +6.7 (c, 1.5 in EtOH)

**Other Data:** Pharmacol. more potent enantiomer

>>Variant: (±)-form

**CAS Registry Number:** 88977-22-4

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>

**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:**