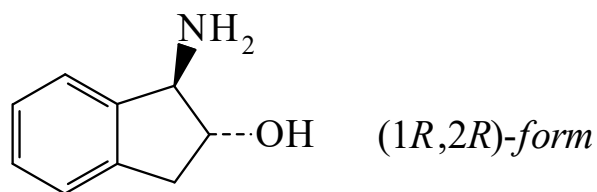




>>Entry Name: 1-Amino-2-indanol

Synonym(s): 1-Amino-2,3-dihydro-1*H*-inden-2-ol, 9CI. 1-Amino-2-hydroxyindane



CAS Registry Number: 74165-73-4

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

>>Variant: (1*R*,2*R*)-form

CAS Registry Number: 163061-73-2

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 128-129° (123-124°)

>>Variant: (1*R*,2*S*)-form

Synonym(s): (+)-*cis*-form

CAS Registry Number: 136030-00-7

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Melting Point: Mp 115-116°

Optical Rotation: [α]_D +65.1 (c, 0.24 in CHCl₃)

Aldrich: 44084-1

Fluka: 8242

>>Variant: (1*S*,2*R*)-form

Synonym(s): (–)-*cis*-form

CAS Registry Number: 126456-43-7

Molecular Formula: C₉H₁₁NO

Molecular Weight: 149.192

Accurate Mass: 149.084064

Percentage Composition: C 72.46%; H 7.43%; N 9.39%; O 10.72%

Use/Importance: Key component for synth of Indinavir [NKH84-N](#)

Physical Description: Cryst. (toluene)

Melting Point: Mp 122-124°

Optical Rotation: [α]_D³¹ –62 (c, 0.90 in CHCl₃). [α]_D²³ –41.2 (c, 1 in MeOH)

Aldrich: 44083-3

Fluka: 8243

>>Derivative: *N*-Formyl

Molecular Formula: C₁₀H₁₁NO₂

Molecular Weight: 177.202

Accurate Mass: 177.078979

Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%

Physical Description: Cryst. solid

Melting Point: Mp 192°

Optical Rotation: [α]_D²⁰ +83 (c, 1.18 in MeOH)