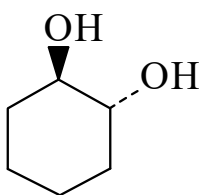




>>Entry Name: 1,2-Cyclohexanediol, 9CI

Synonym(s): Hexahydrocatechol



(1*R*,2*R*)-form

CAS Registry Number: 931-17-9

Molecular Formula: C₆H₁₂O₂

Molecular Weight: 116.16

Accurate Mass: 116.08373

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Other Data: Polyesters with several dicarboxylic acids have been synth.

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

Synonym(s): (-)-*trans*-form

CAS Registry Number: 1072-86-2

Molecular Formula: C₆H₁₂O₂

Molecular Weight: 116.16

Accurate Mass: 116.08373

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Melting Point: Mp 113-114°

Optical Rotation: [α]_D -46.5 (H₂O)

Aldrich: 42179-0

Fluka: 29002

Sigma: C0313

>>Derivative: Bis-3,5-dinitrobenzoyl

Melting Point: Mp 160°

Optical Rotation: [α]_D -83 (CHCl₃)

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

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

CAS Registry Number: 57794-08-8

Molecular Formula: C₆H₁₂O₂

Molecular Weight: 116.16

Accurate Mass: 116.08373

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 108-109°

Optical Rotation: [α]_D¹⁸ +36.7 (c, 0.45 in H₂O)

Aldrich: 42180-4

Fluka: 29003

Sigma: C0438

>>Derivative: Mono-Ac

CAS Registry Number: 105663-26-1

Molecular Formula: C₈H₁₄O₃

Molecular Weight: 158.197

Accurate Mass: 158.094295

Percentage Composition: C 60.74%; H 8.92%; O 30.34%

Melting Point: Mp 47-48°

Optical Rotation: [α]_D²³ +24.4 (c, 2 in CHCl₃)