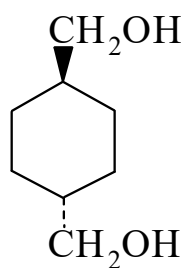




>>Entry Name: 1,4-Cyclohexanedimethanol, 9CI

Synonym(s): 1,4-Bis(hydroxymethyl)cyclohexane



(1*RS*,4*RS*)-form

CAS Registry Number: 105-08-8

Related CAS Registry Numbers(s): 35541-81-2

Extra CAS Registry Numbers(s): 27193-25-5

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Accurate Mass: 144.11503

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Use/Importance: Used in the manuf. of polyester fibres

Solubility: Sol. H₂O, EtOH

Other Data: The coml. product is a mixt. of *cis*- and *trans*-isomers

Aldrich: 12559-8

Fluka: 14910

>>Variant: (1*RS*,4*RS*)-form

Synonym(s): *trans*-form

CAS Registry Number: 3236-48-4

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Accurate Mass: 144.11503

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 65.5-66.5°

Hazard & Toxicity: Fl. p. 167°, autoignition temp. 316°

>>Derivative: Dibenzoyl

Molecular Formula: C₂₂H₂₄O₄

Molecular Weight: 352.429

Accurate Mass: 352.16746

Percentage Composition: C 74.98%; H 6.86%; O 18.16%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 125°

>>Derivative: Bis-4-methylbenzenesulfonyl

Physical Description: Cryst. (Me₂CO)

Melting Point: Mp 163.5-164.5°

>>Variant: (1*RS*,4*SR*)-form

Synonym(s): *cis*-form

CAS Registry Number: 3236-47-3

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Accurate Mass: 144.11503

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 42-43°

Boiling Point: Bp₉ 154°

Rare Chemicals Library: S41409-3