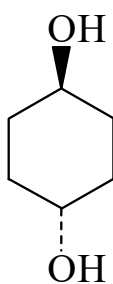




>>Entry Name: 1,4-Cyclohexanediol, 9CI

Synonym(s): 1,4-Dihydroxycyclohexane. Hexahydrohydroquinone. Quinitol



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

CAS Registry Number: 556-48-9

Related CAS Registry Numbers(s): 18068-06-9

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 116.16

Accurate Mass: 116.08373

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

Use/Importance: Monomer for polyesters and polyurethanes

Aldrich: C10120-6

Fluka: 29040

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

Synonym(s): *trans*-form

CAS Registry Number: 6995-79-5

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

Molecular Weight: 116.16

Accurate Mass: 116.08373

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

Physical Description: Plates (Me<sub>2</sub>CO)

Solubility: Sol. H<sub>2</sub>O, EtOH; spar. sol. Me<sub>2</sub>CO; v. spar. sol. Et<sub>2</sub>O

>>Derivative: Di-Ac

CAS Registry Number: 6289-83-4

Physical Description: Cryst. (EtOH)

Melting Point: Mp 102-103°

Boiling Point: Bp<sub>710</sub> 245-250°. Bp<sub>25</sub> 145-147°

>>Derivative: Mono-Me ether

Synonym(s): 4-Methoxycyclohexanol

CAS Registry Number: 22188-03-0

Molecular Formula: C<sub>7</sub>H<sub>14</sub>O<sub>2</sub>

Molecular Weight: 130.186

Accurate Mass: 130.09938

Percentage Composition: C 64.58%; H 10.84%; O 24.58%

Boiling Point: Bp<sub>15</sub> 102.5-103°

Refractive Index: n<sub>D</sub><sup>20</sup> 1.4649

>>Derivative: Di-Me ether

Synonym(s): 1,4-Dimethoxycyclohexane

CAS Registry Number: 28046-69-7

Molecular Formula: C<sub>8</sub>H<sub>16</sub>O<sub>2</sub>

Molecular Weight: 144.213

Accurate Mass: 144.11503

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

Boiling Point: Bp<sub>15</sub> 68-69°

Refractive Index: n<sub>D</sub><sup>18</sup> 1.4430