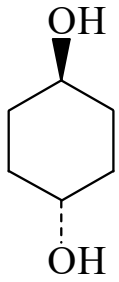
>>**Entry Name: 1,4-Cyclohexanediol,** 9CI
Synonym(s): 1,4-Dihydroxycyclohexane. Hexahydrohydroquinone. Quinitol



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

CAS Registry Number: 556-48-9
Related CAS Registry Numbers(s): 18068-06-9

Molecular Formula: $C_6H_{12}O_2$
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*RS*,4*RS*)-form
Synonym(s): *trans*-form

CAS Registry Number: 6995-79-5
Molecular Formula: $C_6H_{12}O_2$
Molecular Weight: 116.16
Accurate Mass: 116.08373
Percentage Composition: C 62.04%; H 10.41%; O 27.55%
Physical Description: Plates (Me_2CO)
Solubility: Sol. H_2O, EtOH; spar. sol. Me_2CO; v. spar. sol. Et_2O

>>**Derivative:** Di-Ac

CAS Registry Number: 6289-83-4
Physical Description: Cryst. (EtOH)
Melting Point: Mp 102-103°
Boiling Point: Bp_{710} 245-250°. Bp_{25} 145-147°

>>**Derivative:** Mono-Me ether
Synonym(s): 4-Methoxycyclohexanol

CAS Registry Number: 22188-03-0
Molecular Formula: $C_7H_{14}O_2$
Molecular Weight: 130.186
Accurate Mass: 130.09938
Percentage Composition: C 64.58%; H 10.84%; O 24.58%
Boiling Point: Bp_{15} 102.5-103°
Refractive Index: n_D^{20} 1.4649

>>**Derivative:** Di-Me ether
Synonym(s): 1,4-Dimethoxycyclohexane

CAS Registry Number: 28046-69-7
Molecular Formula: $C_8H_{16}O_2$
Molecular Weight: 144.213
Accurate Mass: 144.11503
Percentage Composition: C 66.63%; H 11.18%; O 22.19%
Boiling Point: Bp_{15} 68-69°
Refractive Index: n_D^{18} 1.4430