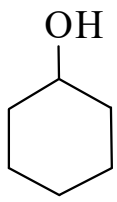
>>**Entry Name: Cyclohexanol,** 9CI
ENTRY UNDER REVIEW
Synonym(s): Hexahydrophenol



CAS Registry Number: 108-93-0
Related CAS Registry Numbers(s): 66522-78-9

Molecular Formula: $C_6H_{12}O$
Molecular Weight: 100.16
Accurate Mass: 100.088815
Percentage Composition: C 71.95%; H 12.08%; O 15.97%
Use/Importance: Feedstock for nylon 6, nylon 66 and plasticisers
Physical Description: Needles or liq.
Melting Point: Mp 24°
Boiling Point: Bp 161°
Solubility: Sol. EtOH, Et_2O, mod. sol. H_2O, misc. nonpolar solvs.
Density: d_4^{20} 0.962
Refractive Index: n_D^{22} 1.4650
Other Data: Hygroscopic
Hazard & Toxicity: Fl. p. 68°, autoignition temp. 300°. Severe eye irritant. Inhalation can cause conjunctival irritation, and olfactory and respiratory system changes. Exp. hepatotoxic and nephrotoxic effects. LD_{50} (rat, orl) 2060 mg/kg. OES: long-term 50 ppm

Aldrich: 10589-9
Fluka: 29105

>>**Derivative:** Phenylurethane

Melting Point: Mp 82.5°

>>**Derivative:** Formyl
Synonym(s): FEMA 2353

CAS Registry Number: 4351-54-6

Molecular Formula: $C_7H_{12}O_2$
Molecular Weight: 128.171
Accurate Mass: 128.08373
Percentage Composition: C 65.60%; H 9.44%; O 24.97%
Use/Importance: Flavouring ingredient
Boiling Point: Bp 162-163°
Density: d_4^0 1.01
Refractive Index: n_D^{24} 1.4417
Hazard & Toxicity: Flammable, fl. p. 42°

>>**Derivative:** Ac
Synonym(s): FEMA 2349

CAS Registry Number: 622-45-7

Molecular Formula: $C_8H_{14}O_2$
Molecular Weight: 142.197
Accurate Mass: 142.09938
Percentage Composition: C 67.57%; H 9.92%; O 22.50%
Use/Importance: Flavouring agent
Physical Description: Liq. with fruity aroma
Boiling Point: Bp 175°
Density: d_4^{15} 0.98
Hazard & Toxicity: Fl. p. 58°, autoignition temp. 330°

Aldrich: 24651-4

>>**Derivative:** 2-Propenoyl