



Use/Importance: Primary standard for elemental analysis

Melting Point: Mp 161-162°

Aldrich: 19245-7

Supelco: R30-3045

>>**Derivative:** Semicarbazone

CAS Registry Number: 1589-61-3

Melting Point: Mp 166-167°

Rare Chemicals Library: S61387-8

>>**Derivative:** Cyanohydrin

see 1-Hydroxycyclohexanecarboxylic acid, [DBV85-P](#)

>>**Derivative:** Di-Me acetal

Synonym(s): 1,1-Dimethoxycyclohexane

CAS Registry Number: 933-40-4

Molecular Formula: C₈H₁₆O₂

Molecular Weight: 144.213

Accurate Mass: 144.11503

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

Physical Description: Liq.

Boiling Point: Bp₂₇ 67°. Bp₁₃ 54-56°

>>**Derivative:** Diisopropyl acetal

Synonym(s): 1,1-Bis(1-methylethoxy)cyclohexane. CHIPK

CAS Registry Number: 1132-95-2

Molecular Formula: C₁₂H₂₄O₂

Molecular Weight: 200.32

Accurate Mass: 200.17763

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Boiling Point: Bp₂ 62-65°

Refractive Index: n_D²⁵ 1.4410

Other: Hüls

>>**Derivative:** Ethylene ketal

see 1,4-Dioxaspiro[4.5]decane, [DBC63-Q](#)

>>**Variant:** enol-form

Molecular Formula: C₆H₁₀O

Molecular Weight: 98.144

Accurate Mass: 98.073165

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

>>**Derivative:** Ac

see 1-Acetoxycyclohexene, [FOJ88-T](#)

>>**Derivative:** Me ether

see 1-Methoxycyclohexene, [GSB35-A](#)

References: