



CAS Registry Number: 3749-17-5

Molecular Formula: C₇H₁₂O₃

Molecular Weight: 144.17

Accurate Mass: 144.078645

Percentage Composition: C 58.32%; H 8.39%; O 33.29%

Melting Point: Mp 82-83° (76-78°)

Boiling Point: Bp₁₇ 180°

>>Derivative: Ac

Molecular Formula: C₉H₁₄O₄

Molecular Weight: 186.207

Accurate Mass: 186.08921

Percentage Composition: C 58.05%; H 7.58%; O 34.37%

Melting Point: Mp 221°

>>Derivative: Amide

CAS Registry Number: 73045-98-4

Molecular Formula: C₇H₁₃NO₂

Molecular Weight: 143.185

Accurate Mass: 143.094629

Percentage Composition: C 58.72%; H 9.15%; N 9.78%; O 22.35%

Melting Point: Mp 113.7-114.7°

>>Derivative: Nitrile

Synonym(s): 2-Hydroxycyclohexanecarbonitrile. 2-Cyanocyclohexanol

CAS Registry Number: 70367-35-0

Molecular Formula: C₇H₁₁NO

Molecular Weight: 125.17

Accurate Mass: 125.084064

Percentage Composition: C 67.17%; H 8.86%; N 11.19%; O 12.78%

Melting Point: Mp 32.5-34°

Boiling Point: Bp_{0.1} 130-140°

>>Variant: (1*RS*,2*RS*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 17502-32-8

Molecular Formula: C₇H₁₂O₃

Molecular Weight: 144.17

Accurate Mass: 144.078645

Percentage Composition: C 58.32%; H 8.39%; O 33.29%

Physical Description: Needles (EtOAc)

Melting Point: Mp 111°

Solubility: Sol. H₂O, spar. sol. C₆H₆

>>Derivative: Ac

Melting Point: Mp 101-102°

>>Derivative: Me ester

CAS Registry Number: 936-04-9

Boiling Point: Bp₁₀ 108-109°

>>Derivative: Hydrazide

Molecular Formula: C₇H₁₄N₂O₂

Molecular Weight: 158.2

Accurate Mass: 158.105528

Percentage Composition: C 53.15%; H 8.92%; N 17.71%; O 20.23%

Melting Point: Mp 208°