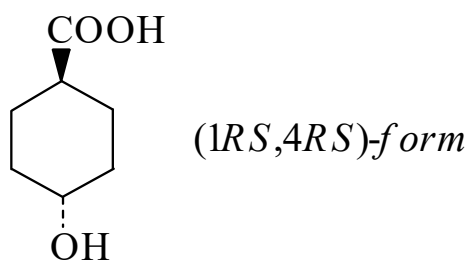




>>Entry Name: 4-Hydroxycyclohexanecarboxylic acid, 9CI

Synonym(s): Cyclohexanol-4-carboxylic acid



CAS Registry Number: 17419-81-7

Related CAS Registry Numbers(s): 95233-12-8

Molecular Formula: C₇H₁₂O₃

Molecular Weight: 144.17

Accurate Mass: 144.078645

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

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

Synonym(s): *trans*-form

CAS Registry Number: 3685-26-5

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 (Me₂CO)

Melting Point: Mp 120-121°

pKa Value: p*K*_{a1} 4.69 (25°)

>>Derivative: Ac

CAS Registry Number: 27548-81-8

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 133-134°

>>Derivative: Me ether

Synonym(s): 4-Methoxycyclohexanecarboxylic acid

Molecular Formula: C₈H₁₄O₃

Molecular Weight: 158.197

Accurate Mass: 158.094295

Percentage Composition: C 60.74%; H 8.92%; O 30.34%

Boiling Point: Bp₂₅ 150-165°

>>Derivative: Me ester, Ac

Molecular Formula: C₁₀H₁₆O₄

Molecular Weight: 200.234

Accurate Mass: 200.10486

Percentage Composition: C 59.98%; H 8.05%; O 31.96%

Melting Point: Mp 45.5-46.5°

>>Derivative: Me ester, benzoyl

Molecular Formula: C₁₅H₁₈O₄

Molecular Weight: 262.305

Accurate Mass: 262.12051

Percentage Composition: C 68.69%; H 6.92%; O 24.40%

Melting Point: Mp 92-94°