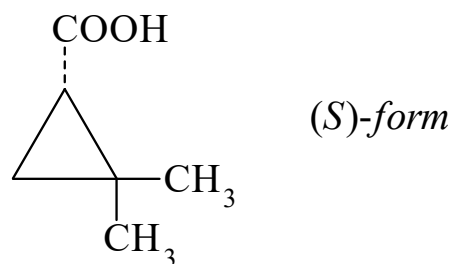




>>Entry Name: 2,2-Dimethylcyclopropanecarboxylic acid



CAS Registry Number: 931-26-0

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

>>Variant: (S)-form

CAS Registry Number: 14590-53-5

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Liq.

Optical Rotation: $[\alpha]_D^{20} +132$ (c, 1.01 in MeOH). $[\alpha]_D^{20} +142$ (c, 1.01 in CHCl₃)

>>Derivative: Amide

CAS Registry Number: 75885-58-4

Molecular Formula: C₆H₁₁NO

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Melting Point: Mp 136-137.5°

Optical Rotation: $[\alpha]_D^{20} +101.4$ (c, 1.0 in CHCl₃)

Aldrich: 43463-9

>>Variant: (±)-form

CAS Registry Number: 75885-59-5

Molecular Formula: C₆H₁₀O₂

Molecular Weight: 114.144

Accurate Mass: 114.06808

Percentage Composition: C 63.14%; H 8.83%; O 28.03%

Physical Description: Liq.

Boiling Point: Bp 198-201°. Bp₅ 83-84°

>>Derivative: Amide

CAS Registry Number: 107912-79-8

Molecular Formula: C₆H₁₁NO

Molecular Weight: 113.159

Accurate Mass: 113.084064

Percentage Composition: C 63.69%; H 9.80%; N 12.38%; O 14.14%

Physical Description: Needles (EtOAc)

Melting Point: Mp 177-177.5°

>>Derivative: Nitrile

Synonym(s): 2-Cyano-1,1-dimethylcyclopropane

CAS Registry Number: 5722-11-2

Molecular Formula: C₆H₉N

Molecular Weight: 95.144

Accurate Mass: 95.073499

Percentage Composition: C 75.74%; H 9.53%; N 14.72%

Physical Description: Liq.

Boiling Point: Bp 154.5-155.5°

Density: d₂₀²⁴ 0.85