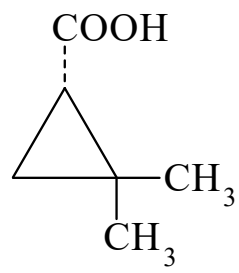
>>**Entry Name: 2,2-Dimethylcyclopropanecarboxylic acid**



(*S*)-*form*

CAS Registry Number: 931-26-0

Molecular Formula: $C_6H_{10}O_2$
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: $C_6H_{10}O_2$
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 $CHCl_3$)

>>**Derivative:** Amide

CAS Registry Number: 75885-58-4
Molecular Formula: $C_6H_{11}NO$
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 $CHCl_3$)
Aldrich: 43463-9

>>**Variant:** (±)-form

CAS Registry Number: 75885-59-5
Molecular Formula: $C_6H_{10}O_2$
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°. Bp_5 83-84°

>>**Derivative:** Amide

CAS Registry Number: 107912-79-8
Molecular Formula: $C_6H_{11}NO$
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: C_6H_9N
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: $d_{20}^{24.0}$0.85

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