



CAS Registry Number: 61892-66-8
Molecular Formula: C₆H₁₀N₂O
Molecular Weight: 126.158
Accurate Mass: 126.079313
Percentage Composition: C 57.12%; H 7.99%; N 22.21%; O 12.68%
Physical Description: Cryst. (EtOAc/Et₂O)
Melting Point: Mp 106-108°

>>**Derivative:** 4-Nitrile, Me ester
Synonym(s): Methyl 3-cyano-2,2-dimethylpropanoate

Molecular Formula: C₇H₁₁NO₂
Molecular Weight: 141.169
Accurate Mass: 141.078979
Percentage Composition: C 59.56%; H 7.85%; N 9.92%; O 22.67%
Physical Description: Liq.
Boiling Point: Bp₂₀ 95-97°

>>**Derivative:** Dinitrile
Synonym(s): 1,2-Dicyano-2-methylpropane

CAS Registry Number: 13706-71-3
Molecular Formula: C₆H₈N₂
Molecular Weight: 108.143
Accurate Mass: 108.068748
Percentage Composition: C 66.64%; H 7.46%; N 25.90%
Physical Description: Cryst.
Melting Point: Mp 59-60°
Boiling Point: Bp_{0.1} 60°

>>**Derivative:** Anhydride
Synonym(s): Dihydro-3,3-dimethyl-2,5-furandione

CAS Registry Number: 17347-61-4
Molecular Formula: C₆H₈O₃
Molecular Weight: 128.127
Accurate Mass: 128.047345
Percentage Composition: C 56.25%; H 6.29%; O 37.46%
Melting Point: Mp 29-31°
Boiling Point: Bp 222-223°. Bp₂₅ 114°
Aldrich: 35769-3
Rare Chemicals Library: S57727-8
Other: Oakwood 2557

References:

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Bone, W.A. *et al.*, *J.C.S.*, 1904, **85**, 547, (*synth*)
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Conn, J.B. *et al.*, *J.A.C.S.*, 1942, **64**, 1747, (*anhydride*)
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