



Accurate Mass: 111.032029
Percentage Composition: C 54.05%; H 4.54%; N 12.61%; O 28.80%
Melting Point: Mp 149° (140°)
Aldrich: 34339-0

>>**Derivative:** Nitrile-Me ester

Synonym(s): Methyl 1-cyanocyclopropanecarboxylate

CAS Registry Number: 6914-73-4
Molecular Formula: C₆H₇NO₂
Molecular Weight: 125.127
Accurate Mass: 125.047679
Percentage Composition: C 57.59%; H 5.64%; N 11.19%; O 25.57%
Physical Description: Liq.
Boiling Point: Bp₁₈ 92°

>>**Derivative:** Nitrile-Et ester

Synonym(s): Ethyl 1-cyanocyclopropanecarboxylate

CAS Registry Number: 1558-81-2
Molecular Formula: C₇H₉NO₂
Molecular Weight: 139.154
Accurate Mass: 139.063329
Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%
Boiling Point: Bp 210-211°. Bp₈₀ 137°

>>**Derivative:** Nitrile-amide

Molecular Formula: C₅H₆N₂O
Molecular Weight: 110.115
Accurate Mass: 110.048013
Percentage Composition: C 54.54%; H 5.49%; N 25.44%; O 14.53%
Melting Point: Mp 160°

>>**Derivative:** Diamide

CAS Registry Number: 5813-85-4
Molecular Formula: C₅H₈N₂O₂
Molecular Weight: 128.13
Accurate Mass: 128.058578
Percentage Composition: C 46.87%; H 6.29%; N 21.86%; O 24.97%
Physical Description: Prismatic cryst.
Melting Point: Mp 198°

>>**Derivative:** Dinitrile

Synonym(s): 1,1-Dicyanocyclopropane

CAS Registry Number: 1559-03-1
Molecular Formula: C₃H₄N₂
Molecular Weight: 92.1
Accurate Mass: 92.037448
Percentage Composition: C 65.21%; H 4.38%; N 30.42%
Boiling Point: Bp₂₀ 103°
Refractive Index: n_D²⁵ 1.4463

References: