



Physical Description: Cryst.

Melting Point: Mp 131-132°

>>**Derivative:** Me ester, semicarbazone

Physical Description: Cryst.

Melting Point: Mp 130-131°

>>**Derivative:** Et ester

CAS Registry Number: 10138-10-0

Molecular Formula: C₆H₁₀O₃

Molecular Weight: 130.143

Accurate Mass: 130.062995

Percentage Composition: C 55.37%; H 7.74%; O 36.88%

Physical Description: Oil

Boiling Point: Bp₁₁ 73-75°

>>**Derivative:** Nitrile

Synonym(s): 4-Oxobutanenitrile, 9Cl. Succinaldehydonitrile, 8Cl. 3-Cyanopropanal

CAS Registry Number: 3515-93-3

Molecular Formula: C₄H₅NO

Molecular Weight: 83.09

Accurate Mass: 83.037114

Percentage Composition: C 57.82%; H 6.07%; N 16.86%; O 19.26%

Boiling Point: Bp_{1.3} 80-82°

>>**Derivative:** Nitrile, 2,4-dinitrophenylhydrazone

Melting Point: Mp 198-199°

>>**Derivative:** Di-Me acetal, Et ester

CAS Registry Number: 76367-43-6

Molecular Formula: C₈H₁₆O₄

Molecular Weight: 176.212

Accurate Mass: 176.10486

Percentage Composition: C 54.53%; H 9.15%; O 36.32%

Physical Description: Oil

Boiling Point: Bp₂ 75-78°

>>**Derivative:** Di-Me acetal, nitrile

Synonym(s): 4,4-Dimethoxybutanenitrile

CAS Registry Number: 14618-78-1

Molecular Formula: C₆H₁₁NO₂

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Boiling Point: Bp₂₀ 110°

Aldrich: 15958-1

Rare Chemicals Library: S65206-7

>>**Derivative:** Di-Et acetal, nitrile

Synonym(s): 4,4-Diethoxybutanenitrile

CAS Registry Number: 18381-45-8

Molecular Formula: C₈H₁₅NO₂

Molecular Weight: 157.212

Accurate Mass: 157.110279

Percentage Composition: C 61.12%; H 9.62%; N 8.91%; O 20.35%

Boiling Point: Bp₁₀ 97°

Aldrich: 16517-4

References: