



CAS Registry Number: 4107-62-4
Molecular Formula: $C_5H_7NO_2$
Molecular Weight: 113.116
Accurate Mass: 113.047679
Percentage Composition: C 53.09%; H 6.24%; N 12.38%; O 28.29%
Boiling Point: Bp 215°
Solubility: Sol. $CHCl_3$

>>**Derivative:** Amide-nitrile
Synonym(s): Succinic amide-nitrile

CAS Registry Number: 61892-68-0
Molecular Formula: $C_4H_6N_2O$
Molecular Weight: 98.104
Accurate Mass: 98.048013
Percentage Composition: C 48.97%; H 6.16%; N 28.55%; O 16.31%
Physical Description: Leaflets
Melting Point: Mp 97° (sealed tube)

>>**Derivative:** Dinitrile
Synonym(s): Butanedinitrile, 9Cl. Succinonitrile, 8Cl. 1,2-Dicyanoethane

CAS Registry Number: 110-61-2
Molecular Formula: $C_4H_4N_2$
Molecular Weight: 80.089
Accurate Mass: 80.037448
Percentage Composition: C 59.99%; H 5.03%; N 34.98%
Source/Synthesis: Manuf. from acrylonitrile and HCN
Melting Point: Mp 54.5°
Boiling Point: Bp 265-267°
Solubility: Sl. sol. EtOH; sol. H_2O , EtOH, Me_2CO
Hazard & Toxicity: Liberates toxic fumes in contact with acid. LD_{50} (rat, orl) 450 mg/kg. Exp. teratogen

Aldrich: 16096-2
Fluka: 14190
Sigma: S3629

>>**Derivative:** Anhydride

>>**Derivative:** Imide

References: