



CAS Registry Number: 1738-36-9

Molecular Formula: C₃H₅NO

Molecular Weight: 71.079

Accurate Mass: 71.037114

Percentage Composition: C 50.69%; H 7.09%; N 19.71%; O 22.51%

Use/Importance: Synthetic reagent

Boiling Point: Bp 120°

Solubility: Insol. H₂O

Density: d₄²⁸ 0.94

Aldrich: M900-9

Fluka: 64690

>> **Derivative:** Anhydride

CAS Registry Number: 19500-95-9

Molecular Formula: C₆H₁₀O₅

Molecular Weight: 162.142

Accurate Mass: 162.052825

Percentage Composition: C 44.45%; H 6.22%; O 49.34%

Boiling Point: Bp₂₀ 124-128°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 815B; 1047A; 1372A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 517B; 666A; 666B; 853A, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 595B; 721C; 721D; 810D, (*ir*)

Org. Synth., Coll. Vol., 2, 1943, 387, (*nitrile*)

Bennington, F. *et al.*, *J.O.C.*, 1961, **26**, 194, (*chloride*)

Schoellkopf, U. *et al.*, *Tet. Lett.*, 1964, 1503, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1975, **5**, 436, (*nitrile*)

Simchen, G. *et al.*, *Synthesis*, 1975, 605, (*nitrile*)

Ger. Pat., 1979, 2 759 169; *CA*, **91**, 174831, (*synth*)

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