



Molecular Weight: 160.169
Accurate Mass: 160.07356
Percentage Composition: C 52.49%; H 7.55%; O 39.96%
Boiling Point: Bp 194°

>> **Derivative:** Et ester

CAS Registry Number: 6938-26-7
Molecular Formula: C₇H₁₄O₃
Molecular Weight: 146.186
Accurate Mass: 146.094295
Percentage Composition: C 57.51%; H 9.65%; O 32.83%
Boiling Point: Bp 190°. Bp₂₅ 88.5°
Solubility: Spar. sol. H₂O
Fluka: 56650

>> **Derivative:** Nitrile

Synonym(s): 1-Cyanobutanol. Butyraldehyde cyanhydrin

CAS Registry Number: 73683-31-5
Molecular Formula: C₅H₉NO
Molecular Weight: 99.132
Accurate Mass: 99.068414
Percentage Composition: C 60.58%; H 9.15%; N 14.13%; O 16.14%
Boiling Point: Bp₂₀ 111°

References:

- Levene, P.A. *et al.*, *J. Biol. Chem.*, 1928, **77**, 555, (*synth*)
Lemieux, R.U. *et al.*, *Can. J. Chem.*, 1951, **29**, 678, (*abs config*)
Winitz, M. *et al.*, *J.A.C.S.*, 1956, **78**, 2423, (*synth*)
Seebach, D. *et al.*, *Annalen*, 1994, 701, (*S-form, Me ester*)
Pandey, G. *et al.*, *Eur. J. Org. Chem.*, 2000, 657-664, (*enantiomers, synth*)