



**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:** C<sub>7</sub>H<sub>14</sub>O<sub>3</sub>  
**Molecular Weight:** 146.186  
**Accurate Mass:** 146.094295  
**Percentage Composition:** C 57.51%; H 9.65%; O 32.83%  
**Boiling Point:** Bp 190°. Bp<sub>25</sub> 88.5°  
**Solubility:** Spar. sol. H<sub>2</sub>O  
**Fluka:** 56650

>> **Derivative:** Nitrile

**Synonym(s):** 1-Cyanobutanol. Butyraldehyde cyanhydrin

**CAS Registry Number:** 73683-31-5  
**Molecular Formula:** C<sub>5</sub>H<sub>9</sub>NO  
**Molecular Weight:** 99.132  
**Accurate Mass:** 99.068414  
**Percentage Composition:** C 60.58%; H 9.15%; N 14.13%; O 16.14%  
**Boiling Point:** Bp<sub>20</sub> 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*)