



Molecular Weight: 153.18
Accurate Mass: 153.078979
Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%
Biological Use/Importance: Surgical aid (tissue adhesive)
Boiling Point: Bp₃ 54-56°. Bp₆ 92°
Refractive Index: n_D²⁰ 1.4330
Hazard & Toxicity: Lachrymator

>>**Derivative:** 2-Methylpropyl ester

Synonym(s): Isobutyl 2-cyanoacrylate, 8Cl. **Bucrylate**, USAN. Bucrilate, INN

CAS Registry Number: 1069-55-2
Molecular Formula: C₈H₁₁NO₂
Molecular Weight: 153.18
Accurate Mass: 153.078979
Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%
Biological Use/Importance: Tissue adhesive
Physical Description: Liq.
Boiling Point: Bp₂ 170°
Sigma: I6630

>>**Derivative:** Octyl ester

Synonym(s): Octyl 2-cyanoacrylate. **Ocrlate**, INN. Ocrylate, USAN

CAS Registry Number: 6701-17-3
Molecular Formula: C₁₂H₁₉NO₂
Molecular Weight: 209.288
Accurate Mass: 209.141579
Percentage Composition: C 68.87%; H 9.15%; N 6.69%; O 15.29%
Biological Use/Importance: Surgical aid (tissue adhesive)

References:

- Yakubovich, A.Ya. *et al.*, *Zh. Obshch. Khim.*, 1958, **28**, 2292; *CA*, **53**, 2079d, (*synth*)
Belg. Pat., 1961, *Eastman Kodak*, 611 273; *CA*, **57**, 12327b, (*synth*)
Belg. Pat., 1963, *Eastman Kodak*, 636 286; *CA*, **62**, 1811h, (*use*)
Leonard, F. *et al.*, *J. Appl. Polym. Sci.*, 1966, **10**, 259, (*synth, ester*)
Leonard, F., *Ann. N.Y. Acad. Sci.*, 1968, **146**, 203, (*esters*)
Fr. Pat., 1968, *American Cyanamid*, 1 535 001; *CA*, **71**, 49315
Regenbogen, L. *et al.*, *Br. J. Ophthalmol.*, 1976, **60**, 561, (*use*)
Greenley, R.Z., *J. Macromol. Sci., Chem., Part A*, 1980, **14**, 427, (*Q/e values, Me ester*)
Stickrod, G. *et al.*, *Physiol. Behav.*, 1984, **32**, 695, (*use*)
Encyclopaedia of Polymer Science and Engineering, Wiley-Interscience, New York, 2nd edn., 1985, **1**, 299
Kotsev, D. *et al.*, *Adhesion (London)*, 1988, **12**, 82, (*rev, esters*)
Tseng, Y.C. *et al.*, *Biomaterials*, 1990, **11**, 73, (*synth, props, use, esters*)
Vijayalaksmi, V. *et al.*, *J. Adhes. Sci. Technol.*, 1990, **4**, 733, (*synth, props, use, esters*)
Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **1**, 344, (*rev*)
Shklover, V.E. *et al.*, *Zh. Strukt. Khim.*, 1991, **32**, 139; *CA*, **115**, 267350n, (*cryst struct*)
Martindale, The Extra Pharmacopoeia, 31st edn., Pharmaceutical Press, 1996, 1696
Chemical Hazards of the Workplace, 3rd edn., (eds. Proctor, N.H. *et al.*), Van Nostrand Reinhold, 1991, 387, (*Me ester*)
Luxon, S.G., *Hazards in the Chemical Laboratory*, 5th edn., Royal Society of Chemistry, 1992, 834
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, MIQ075