



>>Entry Name: 2,2-Dinitro-1-propanol, 9CI

CAS Registry Number: 918-52-5

H3CC(NO2)2CH2OH

Molecular Formula: C3H6N2O5

Molecular Weight: 150.091

Accurate Mass: 150.027673

Percentage Composition: C 24.01%; H 4.03%; N 18.66%; O 53.30%

Rare Chemicals Library: S45212-2

>>Derivative: Ac

Molecular Formula: C5H8N2O6

Molecular Weight: 192.128

Accurate Mass: 192.038238

Percentage Composition: C 31.26%; H 4.20%; N 14.58%; O 49.96%

Boiling Point: Bp₁₀ 75°

>>Derivative: Me ether

Synonym(s): 1-Methoxy-2,2-dinitropropane

CAS Registry Number: 5917-65-7

Molecular Formula: C4H8N2O5

Molecular Weight: 164.118

Accurate Mass: 164.043323

Percentage Composition: C 29.27%; H 4.91%; N 17.07%; O 48.74%

Boiling Point: Bp₂ 40°

Density: d₂₅²⁵ 1.26

References:

Kaplan, R.B. *et al.*, *J.A.C.S.*, 1961, **83**, 3535, (*synth*)

Ungnade, H.E. *et al.*, *J.O.C.*, 1966, **31**, 369, (*synth*)

Grakauskas, V. *et al.*, *J.O.C.*, 1970, **35**, 3030, (*synth*, *pmr*)

Garver, L.C. *et al.*, *J.O.C.*, 1985, **50**, 1699, (*synth*)

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