



>>Entry Name: 3-Azido-1-propanol, 9CI

CAS Registry Number: 72320-38-8

Related CAS Registry Numbers(s): 105064-28-6

$\text{N}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

Molecular Formula:  $\text{C}_3\text{H}_7\text{N}_3\text{O}$

Molecular Weight: 101.108

Accurate Mass: 101.058912

Percentage Composition: C 35.64%; H 6.98%; N 41.56%; O 15.82%

Physical Description: Liq.

Boiling Point:  $\text{Bp}_2$  64°

Density:  $\text{d}_4^{28}$  1.08

Refractive Index:  $\text{n}_\text{D}^{28}$  1.4569

>>Derivative: Ac

CAS Registry Number: 71879-76-0

Molecular Formula:  $\text{C}_5\text{H}_9\text{N}_3\text{O}$

Molecular Weight: 127.146

Accurate Mass: 127.074562

Percentage Composition: C 47.23%; H 7.13%; N 33.05%; O 12.58%

Physical Description: Liq.

Boiling Point:  $\text{Bp}_{16}$  83°

Refractive Index:  $\text{n}_\text{D}^{20}$  1.4462

#### References:

Boyer, J.H. *et al.*, *J.A.C.S.*, 1955, **77**, 951, (*synth*)

Hartmann, W. *et al.*, *Tet. Lett.*, 1979, 513, (*synth, deriv*)

Szmuszkowicz, J. *et al.*, *J.O.C.*, 1981, **46**, 3562, (*synth*)

Conrad, P.C. *et al.*, *J.O.C.*, 1987, **52**, 586, (*synth, pmr, ir*)

Pearson, W.H. *et al.*, *Synthesis*, 1990, 156, (*synth, pmr, ir*)