



>>Entry Name: 4-Iodo-1-butanol, 9CI

CAS Registry Number: 3210-08-0

ICH₂CH₂CH₂CH₂OH

Molecular Formula: C₄H₉IO

Molecular Weight: 200.019

Accurate Mass: 199.969813

Percentage Composition: C 24.02%; H 4.54%; I 63.45%; O 8.00%

Physical Description: Liq.

Boiling Point: Bp₃ 72°

>>Derivative: Ac

CAS Registry Number: 40596-44-9

Molecular Formula: C₆H₁₁IO₂

Molecular Weight: 242.056

Accurate Mass: 241.980378

Percentage Composition: C 29.77%; H 4.58%; I 52.43%; O 13.22%

Boiling Point: Bp_{5.5} 94-95°. Bp_{0.21} 55-58°

Refractive Index: n_D²⁰ 1.5100

Aldrich: 29130-7

>>Derivative: Benzoyl

CAS Registry Number: 19097-44-0

Molecular Formula: C₁₁H₁₃IO₂

Molecular Weight: 304.127

Accurate Mass: 303.996028

Percentage Composition: C 43.44%; H 4.31%; I 41.73%; O 10.52%

Physical Description: Oil

References:

Long, L.H. *et al.*, *Nature (London)*, 1965, **207**, 403, (*synth*)

Oku, A. *et al.*, *Tet. Lett.*, 1982, **23**, 681, (*synth*)

Buijs, W. *et al.*, *Synth. Commun.*, 1983, **13**, 387, (*synth, pmr, ms*)

Stowell, J.C. *et al.*, *Synthesis*, 1984, 278, (*Ac, synth, ir, pmr*)

Chu, S.-D. *et al.*, *J. Het. Chem.*, 1994, **31**, 1199, (*esters, synth, ir, pmr*)

Ott, M.M. *et al.*, *J.O.C.*, 1997, **62**, 1610-1616, (*benzoyl, synth, pmr, cmr, ir*)