



>>Entry Name: Acetyl bromide, 9CI

CAS Registry Number: 506-96-7

H3CCOBr

Molecular Formula: C2H3BrO

Molecular Weight: 122.949

Accurate Mass: 121.956726

Percentage Composition: C 19.54%; H 2.46%; Br 64.99%; O 13.01%

Use/Importance: Reagent for selective acetylation of OH groups in the presence of NH2 groups, in conjunction with F3CCOOH

Physical Description: Fuming liq.

Melting Point: Mp -96°

Boiling Point: Bp₇₅₀ 71°

Solubility: Misc. Et2O, C6H6

Density: d_4^{16} 1.6625

Other Data: Violently dec. by H2O, EtOH and other hydroxylic compds.

Hazard & Toxicity: Fl. p. $>71^{\circ}$. Corrosive and irritating to all tissues

Aldrich: 13596-8

Fluka: 960

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 1187B, (*nmr*)

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Gal, H., *Annalen*, 1864, **129**, 53, (*synth*)

Burton, T.M. *et al.*, *J.A.C.S.*, 1940, **62**, 227, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1977, **6**, 9

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ACD750

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