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>>Entry Name: Acetyl bromide, 9CI

CAS Registry Number: 506-96-7

$\text{H}_3\text{CCOBr}$

Molecular Formula:  $\text{C}_2\text{H}_3\text{BrO}$

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  $\text{NH}_2$  groups, in conjunction with  $\text{F}_3\text{CCOOH}$

Physical Description: Fuming liq.

Melting Point: Mp  $-96^\circ$

Boiling Point: Bp<sub>750</sub>  $71^\circ$

Solubility: Misc.  $\text{Et}_2\text{O}$ ,  $\text{C}_6\text{H}_6$

Density:  $d_4^{16}$  1.6625

Other Data: Violently dec. by  $\text{H}_2\text{O}$ ,  $\text{EtOH}$  and other hydroxylic compds.

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

Aldrich: 13596-8

Fluka: 960

#### References:

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

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