



>>Entry Name: Dibutyl carbonate

CAS Registry Number: 542-52-9

$\text{H}_3\text{C}(\text{CH}_2)_3\text{OCOO}(\text{CH}_2)_3\text{CH}_3$

Molecular Formula: $\text{C}_9\text{H}_{18}\text{O}_3$

Molecular Weight: 174.239

Accurate Mass: 174.125595

Percentage Composition: C 62.04%; H 10.41%; O 27.55%

Use/Importance: Reagent for the preparation of butyl esters for glc

Physical Description: Liq.

Boiling Point: Bp_{740} 207°. Bp_4 118-122°

Density: d_4^{20} 0.924

Hazard & Toxicity: Fl.p. 78°

References:

Sampugna, J. *et al.*, *J. Dairy Sci.*, 1966, **49**, 1462, (*use*)

Bondar, S. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1972, 308, (*synth*)

Kondo, K. *et al.*, *Bull. Chem. Soc. Jpn.*, 1975, **48**, 108, (*synth*)