



>>Entry Name: 1,4-Dibromo-2,3-butanedione, 9CI

Synonym(s): *sym*-Dibromodiacetyl

CAS Registry Number: 6305-43-7

BrCH₂COCOCOCH₂Br

Molecular Formula: C₄H₄Br₂O₂

Molecular Weight: 243.882

Accurate Mass: 241.897802

Percentage Composition: C 19.70%; H 1.65%; Br 65.53%; O 13.12%

Physical Description: Cryst. (CHCl₃)

Melting Point: Mp 116-117°

Hazard & Toxicity: Lachrymator

Aldrich: D3916-9

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 660A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 424B, (*ir*)

Ruggli, P. *et al.*, *Helv. Chim. Acta*, 1946, **29**, 95, (*synth*)

Shevchuk, M.I. *et al.*, *J. Gen. Chem. USSR (Engl. Transl.)*, 1975, **45**, 1228, (*synth*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, DDK600