



>>Entry Name: **1,2-Diiodoethane**, 9CI

Synonym(s): Ethylene diiodide

CAS Registry Number: 624-73-7

ICH₂CH₂I

Molecular Formula: C₂H₄I₂

Molecular Weight: 281.863

Accurate Mass: 281.840246

Percentage Composition: C 8.52%; H 1.43%; I 90.05%

Physical Description: Prisms, plates or needles (petrol)

Melting Point: Mp 81-82°

Density: d¹⁰ 2.132

Other Data: Dec. in light

Aldrich: D12280-7

Fluka: 3890

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 108A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 72D, (*ir*)

Kuus, H., *CA*, 1968, **69**, 18490, (*synth*)

Pachler, K.G.R. *et al.*, *J. Mol. Struct.*, 1969, **3**, 207, (*pmr*)

U.S. Pat., 1971, 3 576 893; *CA*, **75**, 19792, (*synth*)

R}ohmen, E. *et al.*, *J. Mol. Struct.*, 1991, **243**, 419, (*ed, conformn*)

Sax, N.I., *Dangerous Properties of Industrial Materials, 5th edn.*, Van Nostrand Reinhold, 1979, 659