



>>Entry Name: 1,4-Dibromo-2-butene, 9CI, 8CI

CAS Registry Number: 6974-12-5

BrCH2CH=CHCH2Br

Molecular Formula: $C_4H_6Br_2$

Molecular Weight: 213.899

Accurate Mass: 211.923622

Percentage Composition: C 22.46%; H 2.83%; Br 74.71%

Hazard & Toxicity: Skin and severe eye irritant. LD₅₀ (rat, orl) 75 mg/kg

>>Variant: (E)-form

CAS Registry Number: 821-06-7

Molecular Formula: $C_4H_6Br_2$

Molecular Weight: 213.899

Accurate Mass: 211.923622

Percentage Composition: C 22.46%; H 2.83%; Br 74.71%

Physical Description: Leaflets (petrol)

Melting Point: Mp 54°

Boiling Point: Bp_{1.8} 74-76°

Hazard & Toxicity: Severe skin irritant. LD₅₀ (rat, orl) 62 mg/kg

Aldrich: D3920-7

Fluka: 34060

>>Variant: (Z)-form

CAS Registry Number: 18866-73-4

Molecular Formula: $C_4H_6Br_2$

Molecular Weight: 213.899

Accurate Mass: 211.923622

Percentage Composition: C 22.46%; H 2.83%; Br 74.71%

Physical Description: Oil

Boiling Point: Bp₁₄ 82°. Bp_{0.4} 48°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 147A, (nmr)

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Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 141C, (ir)

Shantz, E.M., *J.A.C.S.*, 1946, **68**, 2553, (synth)

Bahurel, Y. *et al.*, *Bull. Soc. Chim. Fr.*, 1971, 2203, (synth, nmr, ir)

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