



>>Entry Name: **1,2-Dibromoethylene**

Synonym(s): 1,2-Dibromoethene, 9Cl. Acetylene dibromide. *sym*-Dibromoethylene

CAS Registry Number: 540-49-8

BrHC=CHBr

Molecular Formula: C₂H₂Br₂

Molecular Weight: 185.846

Accurate Mass: 183.892322

Percentage Composition: C 12.93%; H 1.08%; Br 85.99%

Hazard & Toxicity: Corrosive, lachrymator

Aldrich: D4080-9

Fluka: 33910

>>Variant: (*E*)-form

CAS Registry Number: 590-12-5

Molecular Formula: C₂H₂Br₂

Molecular Weight: 185.846

Accurate Mass: 183.892322

Percentage Composition: C 12.93%; H 1.08%; Br 85.99%

Physical Description: Liq.

Melting Point: Mp −6.5°

Boiling Point: Bp 109°

Solubility: Insol. H₂O; sol. EtOH, Et₂O, Me₂CO, CHCl₃

Density: d₄¹⁷ 2.267

Refractive Index: n_D^{17.5} 1.5505

>>Variant: (*Z*)-form

CAS Registry Number: 590-11-4

Molecular Formula: C₂H₂Br₂

Molecular Weight: 185.846

Accurate Mass: 183.892322

Percentage Composition: C 12.93%; H 1.08%; Br 85.99%

Physical Description: Liq.

Melting Point: Mp −53°

Boiling Point: Bp 112.5°

Solubility: Insol. H₂O; sol. EtOH, Et₂O, Me₂CO, CHCl₃

Density: d₄¹⁷ 2.285

Refractive Index: n_D^{17.5} 1.5431

References:

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