



>>Entry Name: **Dibromoacetic acid**, 9Cl, 8Cl

CAS Registry Number: 631-64-1
Br₂CHCOOH

Molecular Formula: C₂H₂Br₂O₂
Molecular Weight: 217.845
Accurate Mass: 215.882152
Percentage Composition: C 11.03%; H 0.93%; Br 73.36%; O 14.69%
Physical Description: Deliquescent cryst.
Melting Point: Mp 48°
Boiling Point: Bp 232-234° dec.. Bp₁₅ 75°
Solubility: Sol. EtOH, Et₂O
pKa Value: pK_a 1.48 (25°)

Aldrich: 24235-7
Fluka: 34171
Rare Chemicals Library: S51152-8
Supelco: R47-2680

>>Derivative: Me ester

CAS Registry Number: 6482-26-4
Molecular Formula: C₃H₄Br₂O₂
Molecular Weight: 231.871
Accurate Mass: 229.897802
Percentage Composition: C 15.54%; H 1.74%; Br 68.92%; O 13.80%
Boiling Point: Bp 182-184°
Supelco: R47-3800

>>Derivative: Et ester

CAS Registry Number: 617-33-4
Molecular Formula: C₄H₆Br₂O₂
Molecular Weight: 245.898
Accurate Mass: 243.913452
Percentage Composition: C 19.54%; H 2.46%; Br 64.99%; O 13.01%
Use/Importance: Synthetic reagent
Boiling Point: Bp 194°. Bp₇₄ 121°
Density: d₂₀²⁰ 1.902
Refractive Index: n_D¹³ 1.5017

>>Derivative: Bromide

Molecular Formula: C₂HBr₃O
Molecular Weight: 280.741
Accurate Mass: 277.817748
Percentage Composition: C 8.56%; H 0.36%; Br 85.39%; O 5.70%
Physical Description: Fuming liq.
Boiling Point: Bp 194°

>>Derivative: Amide

CAS Registry Number: 598-70-9
Molecular Formula: C₂H₃Br₂NO
Molecular Weight: 216.86
Accurate Mass: 214.898136
Percentage Composition: C 11.08%; H 1.39%; Br 73.69%; N 6.46%; O 7.38%
Melting Point: Mp 156°
Rare Chemicals Library: S11231-3