



>>Entry Name: 2,4-Dibromobenzoic acid

CAS Registry Number: 611-00-7

Molecular Formula: C₇H₄Br₂O₂

Molecular Weight: 279.915

Accurate Mass: 277.897802

Percentage Composition: C 30.04%; H 1.44%; Br 57.09%; O 11.43%

Physical Description: Leaflets (H₂O)

Melting Point: Mp 174°

Other Data: Sublimes

>>Derivative: Me ester

Molecular Formula: C₈H₆Br₂O₂

Molecular Weight: 293.942

Accurate Mass: 291.913452

Percentage Composition: C 32.69%; H 2.06%; Br 54.37%; O 10.89%

Physical Description: Needles

Melting Point: Mp 33°

>>Derivative: Chloride

Molecular Formula: C₇H₃Br₂ClO

Molecular Weight: 298.361

Accurate Mass: 295.863914

Percentage Composition: C 28.18%; H 1.01%; Br 53.56%; Cl 11.88%; O 5.36%

Melting Point: Mp 51°

Boiling Point: Bp₂₂ 162-164°

>>Derivative: Amide

Molecular Formula: C₇H₅Br₂NO

Molecular Weight: 278.931

Accurate Mass: 276.913786

Percentage Composition: C 30.14%; H 1.81%; Br 57.29%; N 5.02%; O 5.74%

Physical Description: Needles

Melting Point: Mp 198°

>>Derivative: Nitrile

Synonym(s): 2,4-Dibromo-1-cyanobenzene

Molecular Formula: C₇H₃Br₂N

Molecular Weight: 260.915

Accurate Mass: 258.903221

Percentage Composition: C 32.22%; H 1.16%; Br 61.25%; N 5.37%

Physical Description: Needles

Melting Point: Mp 92°

References:

Sudborough, J.J., *J.C.S.*, 1895, **67**, 601, (*synth*)

Olivier, S.C.J., *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1929, **48**, 568, (*synth*)

Troganov, I.A. *et al.*, *CA*, 1963, **59**, 6280, (*synth*)

Tashiro, M. *et al.*, *Org. Prep. Proced. Int.*, 1984, **16**, 379-383, (*synth*)