



>>Entry Name: **2,6-Dibromobenzoic acid**

CAS Registry Number: 601-84-3

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: Needles (H₂O)

Melting Point: Mp 151°

Boiling Point: Bp₁₆ 209-210°

>>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%

Melting Point: Mp 83°

>>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 46°

>>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 208.5°

>>Derivative: Nitrile

Synonym(s): 1,3-Dibromo-2-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 155°

Boiling Point: Bp 308-309°

References:

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

Firkes, W.F., *Can. J. Chem.*, 1957, **35**, 1049, (*uv*)

Cirigottis, K.A. *et al.*, *Aust. J. Chem.*, 1977, **30**, 293, (*synth*)

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