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

CAS Registry Number: 601-84-3

Molecular Formula: $C_7H_4Br_2O_2$
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 (H_2O)
Melting Point: Mp 151°
Boiling Point: Bp_{16} 209-210°

>>**Derivative:** Me ester

Molecular Formula: $C_8H_6Br_2O_2$
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: $C_7H_3Br_2ClO$
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: $C_7H_5Br_2NO$
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: $C_7H_3Br_2N$
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)*