



>>Entry Name: 2,4-Dibromobenzoic acid

CAS Registry Number: 611-00-7

**Molecular Formula:** C<sub>7</sub>H<sub>4</sub>Br<sub>2</sub>O<sub>2</sub>

**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 (H<sub>2</sub>O)

**Melting Point:** Mp 174°

**Other Data:** Sublimes

>>Derivative: Me ester

**Molecular Formula:** C<sub>8</sub>H<sub>6</sub>Br<sub>2</sub>O<sub>2</sub>

**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:** C<sub>7</sub>H<sub>3</sub>Br<sub>2</sub>ClO

**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:** Bp<sub>22</sub> 162-164°

>>Derivative: Amide

**Molecular Formula:** C<sub>7</sub>H<sub>5</sub>Br<sub>2</sub>NO

**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:** C<sub>7</sub>H<sub>3</sub>Br<sub>2</sub>N

**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*)