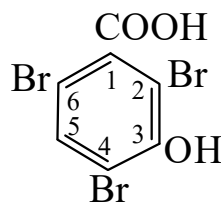




>>Entry Name: 2,4,6-Tribromo-3-hydroxybenzoic acid



**CAS Registry Number:** 14348-40-4

**Molecular Formula:** C<sub>7</sub>H<sub>3</sub>Br<sub>3</sub>O<sub>3</sub>

**Molecular Weight:** 374.811

**Accurate Mass:** 371.823228

**Percentage Composition:** C 22.43%; H 0.81%; Br 63.96%; O 12.81%

**Physical Description:** Needles + ½ H<sub>2</sub>O (H<sub>2</sub>O), anhyd. at 100°

**Melting Point:** Mp 147-148°

**Aldrich:** 43953-3

>>Derivative: Me ester

**Molecular Formula:** C<sub>8</sub>H<sub>5</sub>Br<sub>3</sub>O<sub>3</sub>

**Molecular Weight:** 388.838

**Accurate Mass:** 385.838878

**Percentage Composition:** C 24.71%; H 1.30%; Br 61.65%; O 12.34%

**Physical Description:** Plates or needles (petrol)

**Melting Point:** Mp 119-121°

>>Derivative: Amide

**Molecular Formula:** C<sub>7</sub>H<sub>4</sub>Br<sub>3</sub>NO<sub>2</sub>

**Molecular Weight:** 373.826

**Accurate Mass:** 370.839212

**Percentage Composition:** C 22.49%; H 1.08%; Br 64.12%; N 3.75%; O 8.56%

**Melting Point:** Mp 221°

>>Derivative: Nitrile

**Synonym(s):** 2,4,6-Tribromo-3-cyanophenol

**CAS Registry Number:** 54582-94-4

**Molecular Formula:** C<sub>7</sub>H<sub>2</sub>Br<sub>3</sub>NO

**Molecular Weight:** 355.811

**Accurate Mass:** 352.828647

**Percentage Composition:** C 23.63%; H 0.57%; Br 67.37%; N 3.94%; O 4.50%

**Physical Description:** Yellow needles (petrol)

**Melting Point:** Mp 168°

>>Derivative: Nitrile, 3-Ac

**Molecular Formula:** C<sub>9</sub>H<sub>4</sub>Br<sub>3</sub>NO<sub>2</sub>

**Molecular Weight:** 397.848

**Accurate Mass:** 394.839212

**Percentage Composition:** C 27.17%; H 1.01%; Br 60.25%; N 3.52%; O 8.04%

**Physical Description:** Yellowish-white plates (EtOH aq.)

**Melting Point:** Mp 156-158°

>>Derivative: Ac

**Molecular Formula:** C<sub>9</sub>H<sub>5</sub>Br<sub>3</sub>O<sub>4</sub>

**Molecular Weight:** 416.848

**Accurate Mass:** 413.833793

**Percentage Composition:** C 25.93%; H 1.21%; Br 57.51%; O 15.35%

**Physical Description:** Cryst. (MeOH or CHCl<sub>3</sub>/petrol)

**Melting Point:** Mp 192-193°

>>Derivative: 4-Methylbenzenesulfonyl

**CAS Registry Number:** 14753-52-7

**Melting Point:** Mp 189-191°