>>**Entry Name: 2,4-Dibromophenol,** 9Cl, 8Cl
ENTRY UNDER REVIEW

CAS Registry Number: 615-58-7

Molecular Formula: $C_6H_4Br_2O$
Molecular Weight: 251.905
Accurate Mass: 249.902887
Percentage Composition: C 28.61%; H 1.60%; Br 63.44%; O 6.35%
Biological Source: Isol. from the acorn worms *Balanoglossus carnosus* and *Ptychodera* sp. Commonly found in molluses and crustaceans
Melting Point: Mp 40°
Boiling Point: Bp_{11} 154°
pKa Value: pK_a 7.79 (25°)
Hazard & Toxicity: LD_{50} (mus, orl) 282 mg/kg

Aldrich: 25816-4
Fluka: 34270
Rare Chemicals Library: S56460-5
Supelco: R42-8410

>>**Derivative:** Ac

CAS Registry Number: 36914-79-1
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 36°

>>**Derivative:** Benzoyl

Molecular Formula: $C_{13}H_8Br_2O_2$
Molecular Weight: 356.013
Accurate Mass: 353.929102
Percentage Composition: C 43.86%; H 2.26%; Br 44.89%; O 8.99%
Melting Point: Mp 97.5°

>>**Derivative:** Me ether
Synonym(s): 2,4-Dibromo-1-methoxybenzene. 2,4-Dibromoanisole

CAS Registry Number: 21702-84-1

Molecular Formula: $C_7H_6Br_2O$
Molecular Weight: 265.932
Accurate Mass: 263.918537
Percentage Composition: C 31.62%; H 2.27%; Br 60.09%; O 6.02%
Biological Source: Constit. of the red alga *Polysiphonia sphaerocarpa*
Melting Point: Mp 61.5°
Boiling Point: Bp 272°
Aldrich: 30118-3

>>**Derivative:** Et ether
Synonym(s): 2,4-Dibromo-1-ethoxybenzene. 2,4-Dibromophenetole

CAS Registry Number: 38751-57-4
Molecular Formula: $C_8H_8Br_2O$
Molecular Weight: 279.959
Accurate Mass: 277.934187
Percentage Composition: C 34.32%; H 2.88%; Br 57.08%; O 5.71%
Melting Point: Mp 53.5°

References: