



>>Entry Name: 3,4-Dibromobenzenesulfonic acid, 9Cl

CAS Registry Number: 107573-20-6

Molecular Formula: $C_6H_4Br_2O_3S$

Molecular Weight: 315.97

Accurate Mass: 313.864787

Percentage Composition: C 22.81%; H 1.28%; Br 50.58%; O 15.19%; S 10.15%

Physical Description: Needles + 3H₂O (H₂O)

Melting Point: Mp 66.5-67.5°

>>Derivative: Chloride

CAS Registry Number: 81903-80-2

Molecular Formula: $C_6H_3Br_2ClO_2S$

Molecular Weight: 334.415

Accurate Mass: 331.830899

Percentage Composition: C 21.55%; H 0.90%; Br 47.79%; Cl 10.60%; O 9.57%; S 9.59%

Physical Description: Needles

Melting Point: Mp 34°. Mp 37.5-38.5°

>>Derivative: Amide

Molecular Formula: $C_6H_5Br_2NO_2S$

Molecular Weight: 314.985

Accurate Mass: 312.880771

Percentage Composition: C 22.88%; H 1.60%; Br 50.74%; N 4.45%; O 10.16%; S 10.18%

Physical Description: Needles

Melting Point: Mp 175°

>>Derivative: Anilide

CAS Registry Number: 195738-17-1

Molecular Formula: $C_{12}H_9Br_2NO_2S$

Molecular Weight: 391.083

Accurate Mass: 388.912071

Percentage Composition: C 36.85%; H 2.32%; Br 40.86%; N 3.58%; O 8.18%; S 8.20%

Melting Point: Mp 106-107°

References:

Goslich, C., *Annalen*, 1877, **186**, 148

Spiegelberg, L., *Annalen*, 1879, **197**, 257

Lukashevich, V.O., *Dokl. Akad. Nauk SSSR*, 1954, **99**, 995-998; *CA*, **50**, 217g, (*synth*)

Li, Z. *et al.*, *Can. J. Chem.*, 1999, **77**, 138-145, (*synth, pmr*)