>>**Entry Name: 2,5-Dibromobenzenesulfonic acid,** 9Cl

CAS Registry Number: 63137-37-1
Related CAS Registry Numbers(s): 35495-22-8 38484-96-7

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: Cryst. + 2 or $3H_2O$ (H_2O)
Melting Point: Mp 128° (anhyd.)

>>**Derivative:** Chloride

CAS Registry Number: 23886-64-8
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: Prisms (Et_2O or C_6H_6/petrol)
Melting Point: Mp 71-71.5°

>>**Derivative:** Amide

CAS Registry Number: 7467-11-0
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 (EtOH)
Melting Point: Mp 194°

>>**Derivative:** Anilide

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 144-145°

References:

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Eriksson, A. *et al.*, *Acta Chem. Scand.*, 1972, **26**, 1591-1598, *(ir)*
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