



>>Entry Name: 2,4,6-Trichlorobenzenesulfonic acid

CAS Registry Number: 104778-51-0

Related CAS Registry Numbers(s): 115876-76-1 116692-58-1

Molecular Formula: $\text{C}_6\text{H}_3\text{Cl}_3\text{O}_3\text{S}$

Molecular Weight: 261.512

Accurate Mass: 259.886846

Percentage Composition: C 27.56%; H 1.16%; Cl 40.67%; O 18.35%; S 12.26%

>>Derivative: Chloride

CAS Registry Number: 51527-73-2

Molecular Formula: $\text{C}_6\text{H}_2\text{Cl}_4\text{O}_2\text{S}$

Molecular Weight: 279.957

Accurate Mass: 277.852958

Percentage Composition: C 25.74%; H 0.72%; Cl 50.65%; O 11.43%; S 11.45%

Physical Description: Cryst. (hexane)

Melting Point: Mp 49°

>>Derivative: Hydrazide

CAS Registry Number: 6655-71-6

Molecular Formula: $\text{C}_6\text{H}_5\text{Cl}_3\text{N}_2\text{O}_2\text{S}$

Molecular Weight: 275.542

Accurate Mass: 273.913729

Percentage Composition: C 26.15%; H 1.83%; Cl 38.60%; N 10.17%; O 11.61%; S 11.64%

Melting Point: Mp 130-131 dec.°

References:

Cremlyn, R.J.W., *J.C.S.(C)*, 1966, 1229, (hydrazide)

Guthrie, R.D. *et al.*, *Aust. J. Chem.*, 1987, **40**, 2133, (synth, chloride)