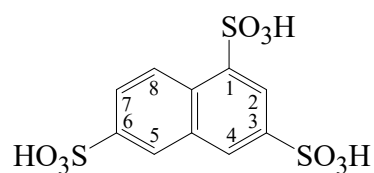




>>Entry Name: 1,3,6-Naphthalenetrisulfonic acid



CAS Registry Number: 86-66-8

Molecular Formula: C₁₀H₈O₉S₃

Molecular Weight: 368.366

Accurate Mass: 367.933045

Percentage Composition: C 32.61%; H 2.19%; O 39.09%; S 26.11%

>>Derivative: Tri-Na salt

CAS Registry Number: 5182-30-9

Extra CAS Registry Numbers(s): 19437-42-4

Molecular Formula: C₁₀H₅Na₃O₉S₃

Molecular Weight: 434.312

Accurate Mass: 433.878871

Percentage Composition: C 27.66%; H 1.16%; Na 15.88%; O 33.15%; S 22.15%

Use/Importance: Used in diazo copiers

>>Derivative: Trichloride

Molecular Formula: C₁₀H₅Cl₃O₆S₃

Molecular Weight: 423.702

Accurate Mass: 421.831381

Percentage Composition: C 28.35%; H 1.19%; Cl 25.10%; O 22.66%; S 22.70%

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 196-197°

References:

Korelev, A. *et al.*, *Ber.*, 1936, **69**, 946-949, (*synth*)

Fierz-David, H.E. *et al.*, *Helv. Chim. Acta*, 1945, **28**, 257-269, (*synth, chloride*)

Spryskov, A.A., *Zh. Obshch. Khim.*, 1952, **22**, 2035; *J. Gen. Chem. USSR (Engl. Transl.)*, 1952, **22**, 2091-2092, (*chloride*)

Snoble, D. *et al.*, *Coll. Czech. Chem. Comm.*, 1985, **50**, 1852-1861, (*cmr*)