



>>Entry Name: 1,3-Benzenedisulfonic acid, 9Cl

CAS Registry Number: 98-48-6

Related CAS Registry Numbers(s): 831-59-4

Molecular Formula: C₆H₆O₆S₂

Molecular Weight: 238.242

Accurate Mass: 237.96058

Percentage Composition: C 30.25%; H 2.54%; O 40.29%; S 26.92%

Physical Description: Very deliquescent cryst. + 2½ H₂O

Other Data: Na salt cryst. with 4H₂O

Hazard & Toxicity: Corrosive and irritating to all tissues

>>Derivative: Difluoride

CAS Registry Number: 7552-55-8

Molecular Formula: C₆H₄F₂O₄S₂

Molecular Weight: 242.224

Accurate Mass: 241.951906

Percentage Composition: C 29.75%; H 1.66%; F 15.69%; O 26.42%; S 26.48%

Melting Point: Mp 38-39°

>>Derivative: Dichloride

CAS Registry Number: 585-47-7

Molecular Formula: C₆H₄Cl₂O₄S₂

Molecular Weight: 275.133

Accurate Mass: 273.892804

Percentage Composition: C 26.19%; H 1.47%; Cl 25.77%; O 23.26%; S 23.31%

Use/Importance: Monomer for polysulfonamides and polysulfonates

Physical Description: Prisms

Melting Point: Mp 63°

Boiling Point: Bp₂₀ 211°

Aldrich: 44464-2

Fluka: 12575

>>Derivative: Chloride, fluoride

Synonym(s): 3-Chlorosulfonylbenzenesulfonyl fluoride, 9Cl

CAS Registry Number: 2489-52-3

Molecular Formula: C₆H₄ClFO₄S₂

Molecular Weight: 258.678

Accurate Mass: 257.922355

Percentage Composition: C 27.86%; H 1.56%; Cl 13.71%; F 7.34%; O 24.74%; S 24.79%

Boiling Point: Bp₅ 156-158°

Density: d 1.61

>>Derivative: Diamide

CAS Registry Number: 3701-01-7

Molecular Formula: C₆H₈N₂O₄S₂

Molecular Weight: 236.272

Accurate Mass: 235.992548

Percentage Composition: C 30.50%; H 3.41%; N 11.86%; O 27.09%; S 27.14%

Physical Description: Needles

Melting Point: Mp 229°

Rare Chemicals Library: S54038-2