



Sigma: S9757

>>Derivative: *N*-Me

Synonym(s): 4-(Methylamino)benzenesulfonic acid

CAS Registry Number: 24447-99-2

Molecular Formula: C₇H₉NO₃S

Molecular Weight: 187.219

Accurate Mass: 187.030314

Percentage Composition: C 44.91%; H 4.85%; N 7.48%; O 25.64%; S 17.13%

Use/Importance: Used as an adsorption indicator for titrimetric detn. of Cl⁽⁻⁾

Physical Description: Plates (H₂O)

Melting Point: Mp 244-245 dec.°

>>Derivative: *N*-Me, amide

Synonym(s): 4-(Methylamino)benzenesulfonamide

CAS Registry Number: 16891-79-5

Molecular Formula: C₇H₁₀N₂O₂S

Molecular Weight: 186.234

Accurate Mass: 186.046298

Percentage Composition: C 45.15%; H 5.41%; N 15.04%; O 17.18%; S 17.22%

Physical Description: Plates (EtOH aq.)

Melting Point: Mp 210-211°

>>Derivative: *N*-Di-Me

CAS Registry Number: 121-58-4

Molecular Formula: C₈H₁₁NO₃S

Molecular Weight: 201.246

Accurate Mass: 201.045964

Percentage Composition: C 47.75%; H 5.51%; N 6.96%; O 23.85%; S 15.93%

Physical Description: Cryst. + 1H₂O (H₂O)

Melting Point: Mp 270-271°

>>Derivative: *N*-Tri-Me, zwitterion

Synonym(s): *p*-Trimethylammoniobenzenesulfonate

Molecular Formula: C₉H₁₃NO₃S

Molecular Weight: 215.273

Accurate Mass: 215.061614

Percentage Composition: C 50.21%; H 6.09%; N 6.51%; O 22.30%; S 14.90%

Melting Point: Mp 90-91°