



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*-Trimethylammonobenzenesulfonate

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°

>>**Derivative:** *N*-Et

CAS Registry Number: 42293-35-6

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. (H₂O)

Melting Point: Mp 258°

>>**Derivative:** *N*-Ph

Synonym(s): 4-(Phenylamino)benzenesulfonic acid, 9Cl. Diphenylamine-4-sulfonic acid. 4-Anilinobenzenesulfonic acid

CAS Registry Number: 101-57-5

Molecular Formula: C₁₂H₁₁NO₃S

Molecular Weight: 249.29

Accurate Mass: 249.045964

Percentage Composition: C 57.82%; H 4.45%; N 5.62%; O 19.25%; S 12.86%

Rare Chemicals Library: S34758-2

>>**Derivative:** *N*-Ph, Ba salt

CAS Registry Number: 6211-24-1

Use/Importance: Used as a 0.2% aq. soln. as redox indicator; titrimetric detn. of Ce(IV), Sb(III), NO₃⁽⁻⁾

Physical Description: Cryst. powder

Solubility: Sol. H₂O, EtOH; insol. Et₂O, C₆H₆

Other Data: E° + 0.85V; λ_{max} 593 nm

Aldrich: 26178-5

Fluka: 42770

Sigma: D4130