



Hazard & Toxicity: Exp. teratogenic affects

Fluka: 86018

Sigma: S8627

>>**Derivative:** *N,N*-Diphenylamide

CAS Registry Number: 183723-73-1

Molecular Formula: C₁₈H₁₆N₂O₂S

Molecular Weight: 324.403

Accurate Mass: 324.093248

Percentage Composition: C 66.64%; H 4.97%; N 8.64%; O 9.86%; S 9.88%

Physical Description: Solid

Melting Point: Mp 151-153°

>>**Derivative:** *N*-Ac, chloride

Synonym(s): *p*-Acetamidobenzenesulfonyl chloride. *N*-Acetylsulfanilyl chloride. Dagenan chloride

CAS Registry Number: 121-60-8

Molecular Formula: C₈H₈ClNO₃S

Molecular Weight: 233.675

Accurate Mass: 232.991341

Percentage Composition: C 41.12%; H 3.45%; Cl 15.17%; N 5.99%; O 20.54%; S 13.72%

Use/Importance: Catalyst for Beckmann rearr. of oximes, etc.

Melting Point: Mp 149°

Hazard & Toxicity: Irritant

Aldrich: 11274-7

Fluka: 240

Rare Chemicals Library: S11517-7

>>**Derivative:** *N*-Ac, *S*-amide

Synonym(s): *N*-[4-(Aminosulfonyl)phenyl]acetamide, 9Cl. 4'-Sulfamoylacetanilide, 8Cl. 4-Acetamidobenzenesulfonamide. Acetylsulfanilamide. *N*⁴-Acetsulfanilamide. *N*-(4-Sulfamoylphenyl)acetamide. Erytrin. Neotherapol

CAS Registry Number: 121-61-9

Molecular Formula: C₈H₁₀N₂O₃S

Molecular Weight: 214.245

Accurate Mass: 214.041213

Percentage Composition: C 44.85%; H 4.70%; N 13.08%; O 22.40%; S 14.97%

Source/Synthesis: Major metab. of sulfanilamide in man and animals

Use/Importance: Weak antibacterial agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 215-216°

>>**Derivative:** *N*-Benzoyl, amide

Synonym(s): 4-Benzamidobenzenesulfonamide. *N*-[(4-Aminophenyl)sulfonyl]benzamide, 9Cl. *N*-Sulfanilylbenzamide, 8Cl. **Sulfabenzamide**, BAN, INN, USAN. Sulfabenzide

CAS Registry Number: 127-71-9

Molecular Formula: C₁₃H₁₂N₂O₃S

Molecular Weight: 276.315

Accurate Mass: 276.056863

Percentage Composition: C 56.51%; H 4.38%; N 10.14%; O 17.37%; S 11.60%

Use/Importance: Antibacterial

Melting Point: Mp 181.2-182.3°

Solubility: Sol. H₂O

pKa Value: p*K*_a 4.57

Calculated Log P Data: Log P 1.13 (calc)

Sigma: S9757