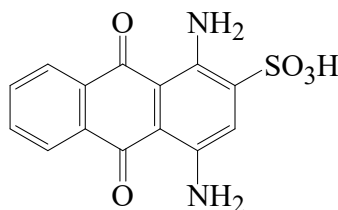




>>Entry Name: **1,4-Diamino-2-anthraquinonesulfonic acid**

Synonym(s): 1,4-Diamino-9,10-dihydro-9,10-dioxo-2-anthracenesulfonic acid, 8Cl



Molecular Formula: C₁₄H₁₀N₂O₅S

Molecular Weight: 318.309

Accurate Mass: 318.031043

Percentage Composition: C 52.83%; H 3.17%; N 8.80%; O 25.13%; S 10.07%

>>Derivative: 4-*N*-Ph

Synonym(s): 1-Amino-4-anilino-2-anthraquinonesulfonic acid. Alizarine Direct Blue B. Alizarine Saphirol A. C.I. Acid Blue 25. C.I. 62055

CAS Registry Number: 2786-71-2

Extra CAS Registry Numbers(s): 6408-78-2

Molecular Formula: C₂₀H₁₄N₂O₅S

Molecular Weight: 394.407

Accurate Mass: 394.062343

Percentage Composition: C 60.91%; H 3.58%; N 7.10%; O 20.28%; S 8.13%

Use/Importance: Dye for polyamide fibres

Physical Description: Light blue needles (H₂O) (as Na salt)

Solubility: Sol. Me₂CO, EtOH (Na salt)

UV: [neutral] λ_{max} 600 () (no solvent reported)

Other Data: Normally obt. as Na salt, to which trade names refer

>>Derivative: 4-*N*-(4-Acetamidophenyl)

Synonym(s): Acid Alizarine Blue 2G. Alizarine Direct Blue AGG. Telon Blue GLL. C.I. Acid Blue 40. C.I. 62125

CAS Registry Number: 6424-85-7

Extra CAS Registry Numbers(s): 6247-34-3

Molecular Formula: C₂₂H₁₇N₃O₆S

Molecular Weight: 451.459

Accurate Mass: 451.083807

Percentage Composition: C 58.53%; H 3.80%; N 9.31%; O 21.26%; S 7.10%

Use/Importance: Dye for polyamide fibres

Solubility: Sol. Me₂CO, EtOH (as Na salt)

Other Data: Normally obt. as Na salt, to which trade names refer

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Philip, G. *et al.*, *Chem. Ind. (London)*, 1975, 433, (4-*N*-Ph)

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