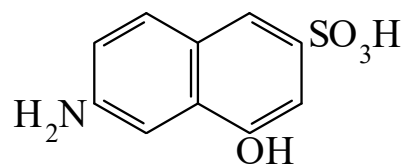




>>Entry Name: 6-Amino-4-hydroxy-2-naphthalenesulfonic acid, 9Cl

Synonym(s): 7-Amino-1-naphthol-3-sulfonic acid



CAS Registry Number: 90-51-7

Molecular Formula: C₁₀H₉NO₄S

Molecular Weight: 239.251

Accurate Mass: 239.025229

Percentage Composition: C 50.20%; H 3.79%; N 5.85%; O 26.75%; S 13.40%

Use/Importance: Used as a 0.1% soln. in aq. NaOH for photometric detn. of Ru

Physical Description: Needles

Solubility: Sol. EtOH, alkalis; spar. sol. H₂O; insol. C₆H₆

>>Derivative: *N,N*-Di-Me

CAS Registry Number: 6259-50-3

Molecular Formula: C₁₂H₁₃NO₄S

Molecular Weight: 267.305

Accurate Mass: 267.056529

Percentage Composition: C 53.92%; H 4.90%; N 5.24%; O 23.94%; S 12.00%

Melting Point: Mp 251-252 dec.°

Aldrich: 16182-9

References:

Popa, G. *et al.*, *Anal. Chim. Acta*, 1965, **33**, 676, (*detn, Ru*)

Ger. Pat., 1978, 2 813 570; *CA*, **90**, 24790s, (*synth*)