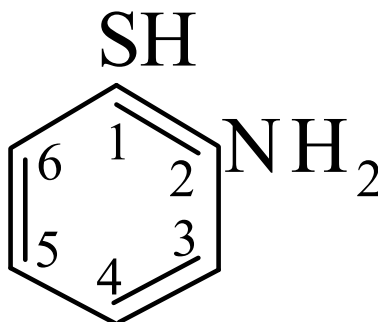




>>Entry Name: 2-Aminobenzenethiol, 9CI

Synonym(s): *o*-Aminophenyl mercaptan. *o*-Aminothiophenol. *o*-Mercaptoaniline



CAS Registry Number: 137-07-5

Molecular Formula: C₆H₇NS

Molecular Weight: 125.194

Accurate Mass: 125.029919

Percentage Composition: C 57.56%; H 5.64%; N 11.19%; S 25.61%

Use/Importance: Use in extraction-photometric detn. of Mo (CHCl₃), and as an indicator in potentiometric acid-base titrations

Physical Description: Needles

Melting Point: Mp 26°

Boiling Point: Bp 234°. Bp₄ 94-97°. Bp₆ 125-127°

pKa Value: pK_{a1} 3; pK_{a2} 6.59 (20°)

Aldrich: 27424-0

Fluka: 9490

Sigma: A5661

>>Derivative: Hydrochloride

CAS Registry Number: 3292-42-0

Physical Description: Cryst. (H₂O)

Melting Point: Mp 217°