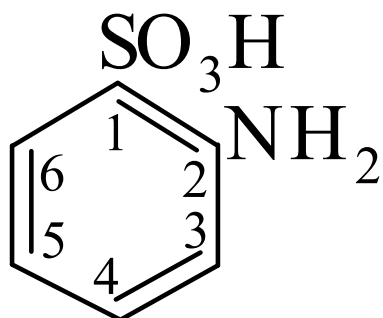




>>Entry Name: 2-Aminobenzenesulfonic acid, 9CI

Synonym(s): Orthanilic acid, 8CI. Aniline-*o*-sulfonic acid



CAS Registry Number: 88-21-1

Molecular Formula: C₆H₇NO₃S

Molecular Weight: 173.192

Accurate Mass: 173.014664

Percentage Composition: C 41.61%; H 4.07%; N 8.09%; O 27.71%; S 18.51%

Use/Importance: Used for photometric detn. of NO₂⁽⁻⁾, Os

Physical Description: Cryst. + ½ H₂O

Melting Point: Mp 315 dec.°

pKa Value: pK_a 2.48 (25°)

Aldrich: A8680-5

Fluka: 75520

Sigma: O7003

>>Derivative: Fluoride

CAS Registry Number: 392-86-9

Molecular Formula: C₆H₆FNO₂S

Molecular Weight: 175.183

Accurate Mass: 175.010327

Percentage Composition: C 41.14%; H 3.45%; F 10.84%; N 8.00%; O 18.27%; S 18.30%

Melting Point: Mp 64-66°