



>>Entry Name: **3-Aminobenzoic acid**, 9CI

CAS Registry Number: 99-05-8

Extra CAS Registry Numbers(s): 1321-11-5

Molecular Formula: $C_7H_7NO_2$

Molecular Weight: 137.138

Accurate Mass: 137.047679

Percentage Composition: C 61.31%; H 5.14%; N 10.21%; O 23.33%

Use/Importance: Used as 2% aq. soln. (neutralised with Na_2CO_3) in photometric detn. of Os. Monomer for polyamide fibres

Physical Description: Needles (H_2O)

Melting Point: Mp 178°

Solubility: Sol. alkalis, acids; spar. sol. H_2O , EtOH, Et_2O

pKa Value: pK_{a1} 3.07; pK_{a2} 4.79 (25°, acid)

Aldrich: 12767-1

Fluka: 6920

Sigma: A5393

>>Derivative: Hydrochloride

CAS Registry Number: 15151-51-6

Physical Description: Needles (H_2O)

Melting Point: Mp 286 dec.°

Aldrich: 28965-5

Fluka: 6980

>>Derivative: Me ester

CAS Registry Number: 4518-10-9

Molecular Formula: $C_8H_9NO_2$

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Physical Description: Leaflets (Et_2O)

Melting Point: Mp 54°

Boiling Point: Bp₁ 126°

pKa Value: pK_{a1} 3.58 (25°, 1% EtOH)

Rare Chemicals Library: S66222-4