



>>Entry Name: (3-Aminophenyl)acetic acid

Synonym(s): 3-Aminobenzeneacetic acid, 9Cl. *m*-Aminophenylacetic acid, 8Cl

CAS Registry Number: 14338-36-4

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

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

Physical Description: Needles (H₂O)

Melting Point: Mp 151°

Boiling Point: Bp_{0.1} 118°

Aldrich: 33544-4

>>Derivative: Et ester

CAS Registry Number: 52273-79-7

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Boiling Point: Bp_{3.5} 138-140° (lit. gives a pressure range)

>>Derivative: Nitrile

CAS Registry Number: 4623-24-9

Molecular Formula: C₈H₈N₂

Molecular Weight: 132.165

Accurate Mass: 132.068748

Percentage Composition: C 72.70%; H 6.10%; N 21.20%

Boiling Point: Bp₁₃ 183-187°. Bp_{1.4} 148-154°

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 1010A, (*nmr*)

Cronyn, M.W., *J.O.C.*, 1949, **14**, 1013, (*synth*)

Elderfield, R.C. *et al.*, *J.A.C.S.*, 1960, **82**, 1975, (*synth*)

Naidan, V.M. *et al.*, *Zh. Obshch. Khim.*, 1964, **34**, 1469, (*synth*)