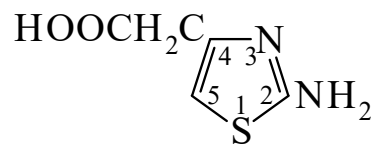




>>Entry Name: 2-Amino-4-thiazoleacetic acid



CAS Registry Number: 29676-71-9

Molecular Formula: C₅H₆N₂O₂S

Molecular Weight: 158.181

Accurate Mass: 158.014998

Percentage Composition: C 37.97%; H 3.82%; N 17.71%; O 20.23%; S 20.27%

Use/Importance: Mod. active plant growth regulator

Melting Point: Mp 121-122 dec.° (130°)

Aldrich: 24969-6

>>Derivative: Tetrafluoroborate salt

CAS Registry Number: 110295-78-8

Physical Description: Cryst.

Melting Point: Mp 180-185°

>>Derivative: Et ester

CAS Registry Number: 53266-94-7

Molecular Formula: C₇H₁₀N₂O₂S

Molecular Weight: 186.234

Accurate Mass: 186.046298

Percentage Composition: C 45.15%; H 5.41%; N 15.04%; O 17.18%; S 17.22%

Melting Point: Mp 92-94°

Aldrich: 22055-8

Fluka: 9486

>>Derivative: *N*-Formyl, Et ester

CAS Registry Number: 64987-05-9

Molecular Formula: C₈H₁₀N₂O₃S

Molecular Weight: 214.245

Accurate Mass: 214.041213

Percentage Composition: C 44.85%; H 4.70%; N 13.08%; O 22.40%; S 14.97%

Physical Description: Cryst.

Melting Point: Mp 119-120°

Aldrich: 27975-7

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 647D; 648A, (*ir*)

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 515D, (*nmr*)

Steude, M., *Annalen*, 1891, **261**, 22, (*synth*)

Garraway, J.L., *Pestic. Sci.*, 1970, **1**, 240, (*props*)

Perrone, E. *et al.*, *J. Het. Chem.*, 1984, **21**, 1097, (*derivs, synth, ir, pmr*)

Bouchet, M.-J. *et al.*, *J. Med. Chem.*, 1987, **30**, 2222, (*synth, pmr*)