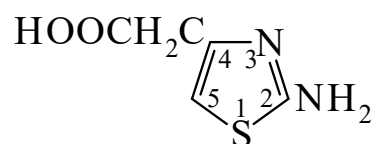




>> 7 Name: 2-Amino-4-thiazoleacetic acid



**CAS Registry Number:** 29676-71-9

**Molecular Formula:** C<sub>5</sub>H<sub>6</sub>N<sub>2</sub>O<sub>2</sub>S

**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:** C<sub>7</sub>H<sub>10</sub>N<sub>2</sub>O<sub>2</sub>S

**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:** C<sub>8</sub>H<sub>10</sub>N<sub>2</sub>O<sub>3</sub>S

**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:

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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*)

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