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|---------------------------|--|
| <b>Name:</b>              | 3-acetylthiazolidine-4-carboxylic acid |
| <b>EC number:</b>         | 225-713-6                              |
| <b>CAS number:</b>        | 5025-82-1                              |
| <b>Molecular formula:</b> | $C_6H_9NO_3S$                          |

### SPECIFICATION

|                        |                   |
|------------------------|-------------------|
| <b>Appearance:</b>     | white powder      |
| <b>Content:</b>        | $\geq 98,5$ % w/w |
| <b>Loss on drying:</b> | $\leq 0,5$ % w/w  |
| <b>pH (1%):</b>        | $2 \pm 0,5$       |

### AGRONOMIC CHARACTERISTICS

Acetyl tetracarboxylic acid (AATC) is an organic compound used in agriculture as a plant growth regulator and chelating agent.

It is mainly used to stimulate plant growth and increase crop production and quality.

It acts as a regulator of plant growth, influencing cell division, stem elongation and root formation. This results in an increase in plant biomass, better rooting and greater resistance of plants to stress conditions, such as drought, salinity and extreme temperatures (abiotic stress regulator). It also stands out for its potential to improve seed germination.