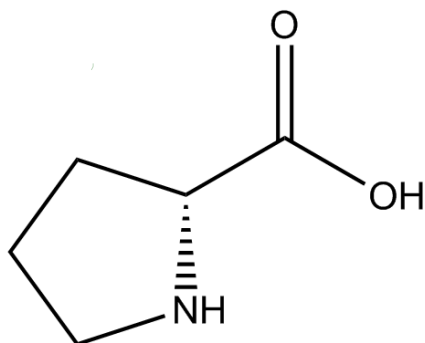


Product Information Sheet**P698**
L-Proline

Synonym: (S)-2-Pyrrolidinecarboxylic Acid

CAS: 147-85-3

Formula: C₅H₉NO₂

Molecular Wt: 115.13

Properties:

Form: Powder

Appearance: White Powder

Application: Amino Acid

Solubility: Water

Storage Temp: Room Temperature

Other Notes: Plant Tissue Culture Tested

Derived from a Non-animal Source

Application Notes:

Proline is an amino acid that has been shown to increase embryogenic callus formation most notably in *Zea mays* (Armstrong and Green 1985). Proline accumulation is a common physiologic response in plants to environmental stress such as high salinity, water stress, drought, and cold (Delauney and Verma 1993).

References:

Merck 13, 7871

AJ Delauney and DPS Verma (1993) *Plant J.* Vol. 4 (2) pg 215-223CL Armstrong and CE Green (1985) *Planta* Vol 164(2) pg 207-214.**India Contact****Life Technologies (India) Pvt Ltd.**

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