
Systemin Peptide

Subcategory: Synthetic Peptide

Cat. No.: 350401

Unit: 1 mg

Description:

Systemin is a plant peptide hormone involved in the wound response in the Solanaceae plant family, first plant peptide hormone found in tomato leaves. Systemin activates a lipid-based signal transduction pathway involved in defense gene transcription. The peptide corresponds to the mature sequence (aa 179-196) of systemin precursor.

Format: Each vial contains 1 mg of lyophilized solid packaged under an inert gas and supplied as a trifluoroacetate salt.

Alternate Names: Systemin

Accession No.: P27058

MW: 2010.32 g/mol

Sequence: H-Ala-Val-Gln-Ser-Lys-Pro-Pro-Ser-Lys-Arg-Asp-Pro-Pro-Lys-Met-Gln-Thr-Asp-OH or H-AVQSKPPSKRDPPKMQTD-OH

Composition: C₈₅H₁₄₄N₂₆O₂₈S

Purity: Purity > 95% by HPLC

Solubility: Distilled water for a solution up to 2 mg/ml, otherwise we recommend using acetonitrile.

Storage: Store at -20°C. The product is hygroscopic and must be protected from light. Product is guaranteed one year from the date of shipment. Following reconstitution, aliquot and store at -20°C.

For research use only, not for diagnostic or therapeutic procedures.