

★ Storage

Store at -20°C.
Protect from light.

★ Contents

- Product manual
- (+)-cis, Absciscic acid(ABA)

ALL PRODUCTS SOLD BY GenDEPOT ARE INTENDED FOR RESEARCH USE ONLY UNLESS OTHERWISE INDICATED. THIS PRODUCT IS NOT INTENDED FOR DIAGNOSTIC OR DRUG PURPOSE

★ Description

Absciscic Acid is a naturally occurring plant hormone involved in plant growth and stress response. It is produced partially via the mevalonic pathway in chloroplasts and other plastids. The production of ABA is accentuated by stress, including water loss or freezing temperatures. The activation of ABA can occur by one of two methods: 1) an ABA-glucose ester can form by attachment of glucose to ABA, or 2) the oxidation of ABA can occur to form phaseic acid and dihydrophaseic acid. The transport of ABA can occur in both xylem and phloem tissues and it can also be translocated through paranchyma cells. Some functions of ABA include: Stimulating the closure of stomata, Inhibition of shoot growth, induction of seeds to synthesize storage proteins, inhibition of the affect of gibberellins, and the induction of gene transcription in response to wounding (especially for proteinase inhibitors).

★ Solubility

Soluble in ethanol. Sterilize by filtration

★ M. W.

264.320 g/mol

★ Molecular Formula

C₁₅H₂₀O₄

★ Related Products

Product Name	Cat No
DMEM, High Glucose, without Sod Bicarbonate	CM001
DMEM, High Glucose, with Sod Bicarbonate	CM002
MEM with Earle's salt	CM041
RPMI-1640 with HEPES	CM058
RPMI-1640	CM059
Trypsin-EDTA(1X)	CA014
Trypsin-EDTA(10X)	CA015
Scrapase, Non-Animal Origin Dissociation Solution(1X)	CA110
Dispase Solution, 1mg/ml	CA092
Collagenase/Hyaluronidase(10X) in DMEM	CA094
Antibiotics-Antimycotics(100X)	CA002
Penicillin-Streptomycin(100X)	CA005
Dulbecco's Phosphate-Buffered Saline(DPBS)(1X)	CA008
Cellmaxin, 10mg/ml	C3314
Cellmaxin Plus, 10.5mg/ml	C3319
Ceracryo, Xeno-Free Cell Freezing Mediu	C0667
Water, 0.1um Filtered, Cell Culture Tested	W0900