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## (±)ABA

## (±)脱落酸

货号	规格	贮存
SA1049-25mg	25 mg	-20℃
SA1049-100mg	100 mg	-20℃

(±)Abscisic acid; Dormin

(2Z,4E)-5-(1-Hydroxy-2,6,6-trimethyl-4-oxo-2-cyclohexen-1-yl)-3-methyl-2,4-pentadienoic acid

C<sub>15</sub>H<sub>20</sub>O<sub>4</sub> MW 264.32 CAS: 14375-45-2

● 贮存: -20℃

### ● Specifications:

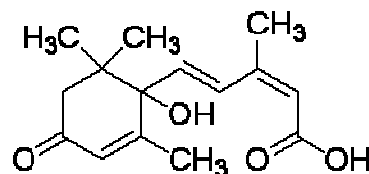
Appearance.....white to off-white powder

Solubility.....solubilized in ethanol

Sterilization.....autoclaved or filtration

Final concentration.....0.1 to 10 mg/L

Other Notes.....Plant Tissue Culture Tested



### ● Introduction:

ABA is involved in several physiological mechanisms including seed dormancy, leaf abscission, stomatal movement, and plant stress responses. Through complex interactions with several intracellular signaling systems, it can regulate the expression of hundreds of plant genes. Natural ABA [(+)-ABA] is dextrorotatory (右旋). The synthetic ABA [(±)-ABA] is a mixture of (+)-ABA and (-)-ABA.

### ● Stability:

The ABA power should be stored at -20℃ and protected from light for at least 3 years. The ABA solutions are stable for 1 year at least when stored at -20 °C and protected from light.

### ● ABA 母液配制方法:

1 mg/ml ABA 母液: 配制量 10 ml

取 10 mg (±)ABA 粉末置于合适容器中, 加入 2 ml 无水乙醇至粉末彻底溶解, 缓慢加入双蒸水, 边加边混匀, 最后用水定容至 10 ml。0.22μm 水系滤膜抽滤除菌后, 适量分装-20℃避光保存。

### ● Reference

<http://www.sigmaaldrich.com.cn/life-science/molecular-biology/plant-biotechnology/tissue-culture-protocals/growth-regulators.html>

注: 本制品仅供科研用。请勿用于人体及动物的医疗、临床诊断或作为食品、化妆品、家庭用品的添加剂等用途。  
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