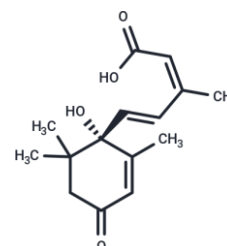


Absciscic Acid

#Cat:NB-64-34250	Size: 1mL
#Cat:NB-64-34250	Size: 1g
#Cat:NB-64-34250	Size: 25mg
#Cat:NB-64-34250	Size: 50mg
#Cat:NB-64-34250	Size: 100mg
#Cat:NB-64-34250	Size: 500mg

Chemical Properties

CAS No. :	21293-29-8
Formula:	C ₁₅ H ₂₀ O ₄
Molecular Weight:	264.32
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Absciscic Acid (Dormin) is a plant hormone, which is involved in many plant developmental processes, modulates ion homeostasis and metabolism, and inhibits germination and seedling growth.
Targets(IC50)	Proton pump,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 252 mg/mL (953.39 mM),Sonication is recommended. Ethanol: 49 mg/mL (185.38 mM),Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (18.92 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7833 mL	18.9165 mL	37.8329 mL
5 mM	0.7567 mL	3.7833 mL	7.5666 mL
10 mM	0.3783 mL	1.8916 mL	3.7833 mL
50 mM	0.0757 mL	0.3783 mL	0.7567 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Addicott FT, Lyon JL, et al. Science. 1968 Mar 29;159(3822):1493.

Liu R, Liang G, Gong J, et al. A Potential ABA Analog to Increase Drought Tolerance in Arabidopsis thaliana. International Journal of Molecular Sciences. 2023, 24(10): 8783.

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This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use