

Gibberllin A7

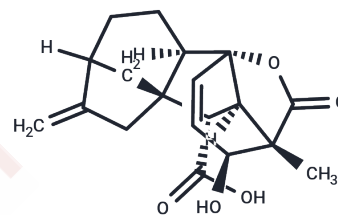
Chemical Properties

CAS No. : 510-75-8

Formula: C₁₉H₂₂O₅

Molecular Weight: 330.38

Storage: Keep away from direct sunlight, Store at low temperature, Store under nitrogen
 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	Gibberellin A7 (Gibberellin 7) is important plant growth hormones that promote plant cell growth and elongation. Gibberellins promote rapid stem and root growth, induce mitotic division and initiate (break dormancy) and increase seed germination rates. The gibberellins are also involved in processes such as gravitropism, tensioning and floral display. Gibberellin A3 (G1025, G7645) and A4 (G7276) may be used as supplements to plant growth media such as Murashige and Skoog media. The specific actions of A3 and A4 or combinations of Gibberellins should be determined in specific plant applications.
Targets(IC50)	Others, Endogenous Metabolite, Antifungal, ROS

Solubility Information

Solubility	DMSO: 45 mg/mL (136.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0268 mL	15.1341 mL	30.2682 mL
5 mM	0.6054 mL	3.0268 mL	6.0536 mL
10 mM	0.3027 mL	1.5134 mL	3.0268 mL
50 mM	0.0605 mL	0.3027 mL	0.6054 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

Ward, D.A., et al.: Phytochem., 71, 2010 (2010)

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