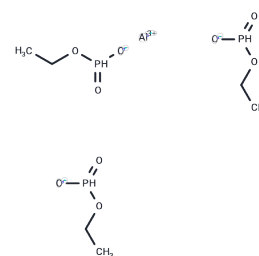


Fosetyl-aluminum

Chemical Properties

CAS No. :	39148-24-8
Formula:	C ₆ H ₁₈ AlO ₉ P ₃
Molecular Weight:	354.1
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Fosetyl-aluminum is a systemic fungicide effective in controlling various Phycomycete diseases, particularly downy mildews, Phytophthora, and Pythium spp. It inhibits spore germination and mycelial growth, providing comprehensive protection to plants.
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 4.9 mg/mL (13.84 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 0.49 mg/mL (1.38 mM), Solution. <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	2.8241 mL	14.1203 mL	28.2406 mL
5 mM	0.5648 mL	2.8241 mL	5.6481 mL
10 mM	0.2824 mL	1.412 mL	2.8241 mL
50 mM	0.0565 mL	0.2824 mL	0.5648 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

Fan Z, et al. Determination of Fosetyl-Aluminium by Ion-Pair Reversed Phase-High Performance Liquid Chromatography With Evaporative Light Scattering Detection. *Se Pu*. 2009;27(6):849-851.

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Brown S, et al. Insensitivity to the Fungicide Fosetyl-Aluminum in California Isolates of the Lettuce Downy Mildew Pathogen, *Bremia lactucae*. *Plant Dis*. 2004 May;88(5):502-508.

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