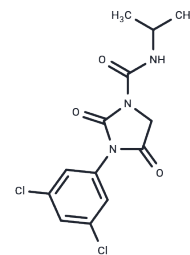


Iprodione

Chemical Properties

CAS No. :	36734-19-7
Formula:	C ₁₃ H ₁₃ Cl ₂ N ₃ O ₃
Molecular Weight:	330.17
Storage:	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	Iprodione is a fungicide. Iprodione is also used in cannabis testing kits as a component of pesticide mixes.
Targets(IC50)	Reactive Oxygen Species,Androgen Receptor,Antifungal,ROS

Solubility Information

Solubility	DMSO: 60 mg/mL (181.72 mM),Sonication is recommended. Ethanol: 10 mg/mL (30.29 mM),Sonication is recommended. H ₂ O: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.06 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	3.0287 mL	15.1437 mL	30.2874 mL
5 mM	0.6057 mL	3.0287 mL	6.0575 mL
10 mM	0.3029 mL	1.5144 mL	3.0287 mL
50 mM	0.0606 mL	0.3029 mL	0.6057 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

Cong, M., He, S., Zhang, J., Luo, C., & Zhu, F. (2019). Hormetic Effects of Mixtures of Carbendazim and Iprodione on the Virulence of *Botrytis cinerea*. *Plant Dis*, 103(1), 95-101. doi: 10.1094/PDIS-05-18-0754-RE

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