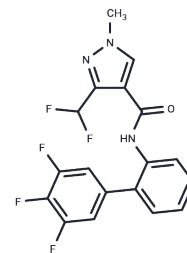


Fluxapyroxad

Chemical Properties

CAS No. :	907204-31-3
Formula:	C ₁₈ H ₁₂ F ₅ N ₃ O
Molecular Weight:	381.30
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Fluxapyroxad is a broad-spectrum fungicide that inhibits the succinate dehydrogenase (SQR) enzyme.
Targets(IC50)	Antibiotic,Antifungal,Cytochromes P450

Solubility Information

Solubility	DMSO: 252.5 mg/mL (662.21 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	2.6226 mL	13.113 mL	26.2261 mL
5 mM	0.5245 mL	2.6226 mL	5.2452 mL
10 mM	0.2623 mL	1.3113 mL	2.6226 mL
50 mM	0.0525 mL	0.2623 mL	0.5245 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

- Ceballos-Alcantarilla E, López-Puertollano D, Agulló C, Abad-Fuentes A, Abad-Somovilla A, Mercader JV. Combined heterologies for monoclonal antibody-based immunoanalysis of fluxapyroxad. *Analyst*. 2018 Nov 19; 143(23):5718-5727. doi: 10.1039/c8an01771a. PubMed PMID: 30378598.
- Mercader JV, Abad-Somovilla A, Agulló C, Abad-Fuentes A. Fluxapyroxad Haptens and Antibodies for Highly Sensitive Immunoanalysis of Food Samples. *J Agric Food Chem*. 2017 Oct 25;65(42):9333-9341. doi: 10.1021/acs.jafc.7b03199. Epub 2017 Oct 12. PubMed PMID: 28974098.
- Fernández-Ortuño D, Pérez-García A, Chamorro M, de la Peña E, de Vicente A, Torés JA. Resistance to the SDHI Fungicides Boscalid, Fluopyram, Fluxapyroxad, and Penthiopyrad in *Botrytis cinerea* from Commercial Strawberry Fields in Spain. *Plant Dis*. 2017 Jul;101(7):1306-1313. doi: 10.1094/PDIS-01-17-0067-RE. Epub 2017 May 24. PubMed PMID: 30682955.
- Chen X, Dong F, Xu J, Liu X, Wu X, Zheng Y. Effective Monitoring of Fluxapyroxad and Its Three Biologically Active Metabolites in Vegetables, Fruits, and Cereals by Optimized QuEChERS Treatment Based on UPLC-MS/MS. *J Agric Food Chem*. 2016 Nov 23;64(46):8935-8943. Epub 2016 Nov 8. PubMed PMID: 27786469.

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