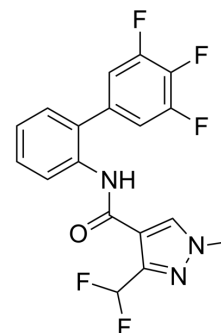


Fluxapyroxad

Cat. No.:	HY-135549		
CAS No.:	907204-31-3		
Molecular Formula:	C ₁₈ H ₁₂ F ₅ N ₃ O		
Molecular Weight:	381.3		
Target:	Fungal; Antibiotic		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (262.26 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6226 mL	13.1130 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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fluxapyroxad is a synthetic broad-spectrum fungicide for the control of fungal diseases. It works by inhibiting succinate dehydrogenase in complex II of the mitochondrial respiratory chain, resulting in inhibition of spore germination, germ tubes and mycelia growth within the fungus target species^[1].

REFERENCES

[1]. Chen X, et al. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA