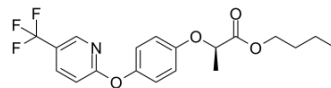


Fluazifop-P-butyl

Cat. No.:	HY-B2007		
CAS No.:	79241-46-6		
Molecular Formula:	C ₁₉ H ₂₀ F ₃ NO ₄		
Molecular Weight:	383.36		
Target:	Acetyl-CoA Carboxylase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-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 (260.85 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6085 mL	13.0426 mL	26.0851 mL
5 mM	0.5217 mL	2.6085 mL	5.2170 mL
10 mM	0.2609 mL	1.3043 mL	2.6085 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 2.5 mg/mL (6.52 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (6.52 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fluazifop-P-butyl, a graminicide from arylophenoxypropionate group, is a acetyl-CoA carboxylase (ACCase) inhibitor^[1].

REFERENCES

- [1]. Marcin Horbowicz, et al. Effect of Fluazifop-P-Butyl Treatment on Pigments and Polyamines Level Within Tissues of Non-Target Maize Plants. Pestic Biochem Physiol. 2013 Sep;107(1):78-85.

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

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