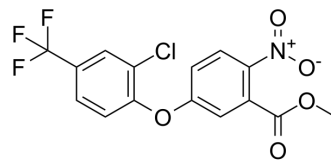


Acifluorfen-methyl

Cat. No.:	HY-147365		
CAS No.:	50594-67-7		
Molecular Formula:	C ₁₅ H ₉ ClF ₃ NO ₅		
Molecular Weight:	375.68		
Target:	Others		
Pathway:	Others		
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 : 125 mg/mL (332.73 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6618 mL	13.3092 mL	26.6184 mL
5 mM	0.5324 mL	2.6618 mL	5.3237 mL
10 mM	0.2662 mL	1.3309 mL	2.6618 mL

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

BIOLOGICAL ACTIVITY

Description

Acifluorfen-methyl is an inhibitor of the heme and chlorophyll biosynthetic enzyme protoporphyrinogen oxidase (Protox). Acifluorfen-methyl is a photobleaching herbicide^[1].

REFERENCES

[1]. J M Jacobs, et al. Effects of the photobleaching herbicide, acifluorfen-methyl, on protoporphyrinogen oxidation in barley organelles, soybean root mitochondria, soybean root nodules, and bacteria. Arch Biochem Biophys. 1990 Aug 1;280(2):369-75.

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

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