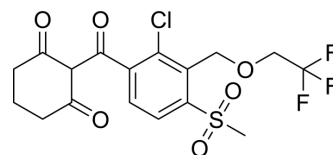


Tembotrione

Cat. No.:	HY-137910		
CAS No.:	335104-84-2		
Molecular Formula:	C ₁₇ H ₁₆ ClF ₃ O ₆ S		
Molecular Weight:	440.82		
Target:	Others		
Pathway:	Others		
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 (226.85 mM; Need ultrasonic)				
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div> <div>Mass</div>	1 mg	5 mg	10 mg
		1 mM	2.2685 mL	11.3425 mL	22.6850 mL
		5 mM	0.4537 mL	2.2685 mL	4.5370 mL
		10 mM	0.2268 mL	1.1342 mL	2.2685 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.67 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.67 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tembotrione is a drug that may reduce the productivity of carrots. Tembotrione has the activity of reducing carrot stem mass. Tembotrione can be used to study the total productivity of carrot ^[1] .
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REFERENCES

[1]. Bontempo AF, et al. Residual tembotrione and atrazine in carrot. J Environ Sci Health B. 2016 Jul 2;51(7):465-8.

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