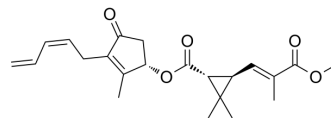


Pyrethrin II

Cat. No.:	HY-108170		
CAS No.:	121-29-9		
Molecular Formula:	C ₂₂ H ₂₈ O ₅		
Molecular Weight:	372.45		
Target:	Parasite		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (268.49 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	2.6849 mL	13.4246 mL	26.8492 mL
			5 mM	0.5370 mL	2.6849 mL	5.3698 mL
10 mM	0.2685 mL	1.3425 mL	2.6849 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 (6.71 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Pyrethrin II is a insecticidal ingredient of pyrethrins. Pyrethrins is a biogenic insecticide, that can be extracted from <i>Chrysanthemum cinerariifolium</i> ^[1] .
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REFERENCES

[1]. Qin X, et al. Residual determination of pyrethrins in *Lycium barbarum* (goji) by GC-MS/MS and a dietary risk assessment of Chinese goji consumption. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess.* 2020 Mar;37(3):478-487.

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

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