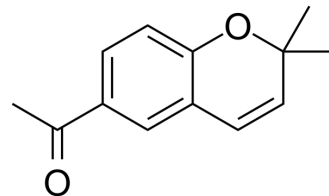


Demethoxyencecalin

Cat. No.:	HY-77173		
CAS No.:	19013-07-1		
Molecular Formula:	C ₁₃ H ₁₄ O ₂		
Molecular Weight:	202.25		
Target:	Fungal		
Pathway:	Anti-infection		
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 (494.44 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	4.9444 mL	24.7219 mL	49.4438 mL
	5 mM	0.9889 mL	4.9444 mL	9.8888 mL
	10 mM	0.4944 mL	2.4722 mL	4.9444 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 (12.36 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Demethoxyencecalin is a chromene isolated from <i>Helianthus annuus</i> , has antifungal activities ^[1] .
IC ₅₀ & Target	IC ₅₀ : antifungal ^[1]

REFERENCES

[1]. Prats E, et al. Antifungal activity of a new phenolic compound from capitulum of a head rot-resistant sunflower genotype. *J Chem Ecol.* 2007 Dec;33(12):2245-53. Epub 2007 Nov 22.

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

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