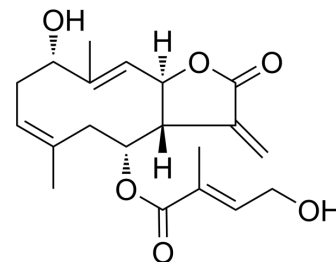


## Eupalinolide K

Cat. No.:	HY-N2240
CAS No.:	108657-10-9
Molecular Formula:	C <sub>20</sub> H <sub>26</sub> O <sub>6</sub>
Molecular Weight:	362.42
Target:	STAT
Pathway:	JAK/STAT Signaling; Stem Cell/Wnt
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (137.96 mM; Need ultrasonic)						
	H <sub>2</sub> O : 5 mg/mL (13.80 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.7592 mL	13.7961 mL	27.5923 mL
				5 mM	0.5518 mL	2.7592 mL	5.5185 mL
10 mM				0.2759 mL	1.3796 mL	2.7592 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: ≥ 1.09 mg/mL (3.01 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Eupalinolide K, a sesquiterpene lactones compound from <i>Eupatorium lindleyanum</i> , is a STAT3 inhibitor. Eupalinolide K is a Michael reaction acceptor (MRA) [1].
IC <sub>50</sub> & Target	STAT3

### REFERENCES

[1]. Yang B, et al. Precise discovery of a STAT3 inhibitor from *Eupatorium lindleyanum* and evaluation of its activity of anti-triple-negative breast cancer. *Nat Prod Res.* 2019 Feb;33(4):477-485.

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

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