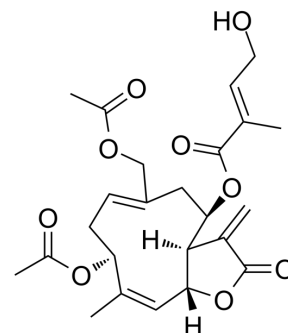


Eupalinolide A

Cat. No.:	HY-N0754
CAS No.:	877822-40-7
Molecular Formula:	C ₂₄ H ₃₀ O ₉
Molecular Weight:	462.49
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (216.22 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.1622 mL	10.8110 mL	21.6221 mL
				5 mM	0.4324 mL	2.1622 mL	4.3244 mL
				10 mM	0.2162 mL	1.0811 mL	2.1622 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 (5.41 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.41 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Eupalinolide A, isolated from <i>Eupatorium lindleyanum</i> , induces the expression of HSP70 via the activation of HSF1 by inhibiting the interaction between HSF1 and HSP90 ^[1] .
IC ₅₀ & Target	HSF1

REFERENCES

[1]. Yamashita Y, et al. Purification and characterization of HSP-inducers from *Eupatorium lindleyanum*. *Biochem Pharmacol.* 2012;83(7):909-922.

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

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