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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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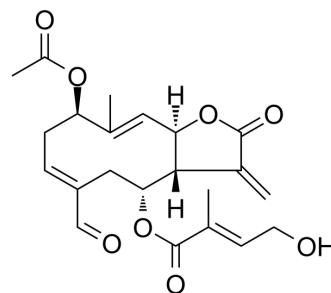
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Eupalinolide O

Cat. No.:	HY-N8187
CAS No.:	2170228-67-6
Molecular Formula:	C ₂₂ H ₂₆ O ₈
Molecular Weight:	418.44
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	-20°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 (238.98 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3898 mL	11.9491 mL	23.8983 mL
		5 mM	0.4780 mL	2.3898 mL	4.7797 mL
		10 mM	0.2390 mL	1.1949 mL	2.3898 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.97 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Eupalinolide O is a sesquiterpene lactone with anticancer activities. Eupalinolide O induces cell apoptosis in human MDA-MB-468 breast cancer cells ^[1] .
In Vitro	Eupalinolide O could induce cell cycle arrest and apoptosis in human MDA-MB-468 breast cancer cells. Eupalinolide O also shows anti-TNBC (triple-negative breast cancer) activity against human MDA-MB-468 breast cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Bo Yang, 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.

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

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