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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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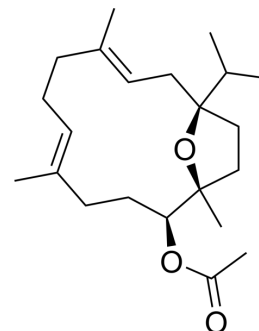
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Incensole Acetate

Cat. No.:	HY-N4098
CAS No.:	34701-53-6
Molecular Formula:	C ₂₂ H ₃₆ O ₃
Molecular Weight:	348.52
Target:	Apoptosis
Pathway:	Apoptosis
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 (286.93 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.8693 mL	14.3464 mL	28.6928 mL
		5 mM	0.5739 mL	2.8693 mL	5.7386 mL
		10 mM	0.2869 mL	1.4346 mL	2.8693 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 (7.17 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.17 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.17 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Incensole acetate is a main constituent of <i>Boswellia carterii</i> resin, has neuroprotective effects against neuronal damage in traumatic and ischemic head injury. Incensole acetate reduces Aβ ₂₅₋₃₅ -triggered apoptosis in hOBNSCs ^[1] .
In Vitro	Incensole acetate (100 μM; pre-treatment 4 hours) significantly ameliorates Aβ ₂₅₋₃₅ -induced cell death, a 48–52% decrease in cell viability at Aβ ₂₅₋₃₅ is restored to 85–89% upon pre-treatment with IA ^[1] . Incensole acetate (5-100 μM) pretreatment reverses increase in the mRNA and protein level of Bax, caspase 8, cyto c and decrease in the mRNA and protein level of Bcl2 induced by Aβ ₂₅₋₃₅ in hOBNSCs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only. Cell Viability Assay ^[1]

Cell Line:	Human olfactory bulb neural stem cells
Concentration:	100 μ M
Incubation Time:	Pre-treatment 4 hours
Result:	Increased hOBNSCs cell viability induced by A β 25-35.

REFERENCES

[1]. El-Magd MA, et al. Incensole acetate prevents beta-amyloid-induced neurotoxicity in human olfactory bulb neural stem cells. Biomed Pharmacother. 2018 Sep;105:813-823.

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

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