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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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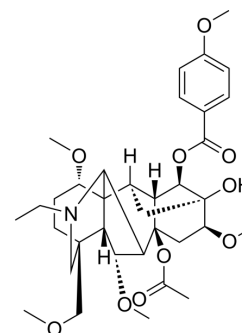
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Crassicauline A

Cat. No.:	HY-N1924
CAS No.:	79592-91-9
Molecular Formula:	C ₃₅ H ₄₉ NO ₁₀
Molecular Weight:	643.76
Target:	Others
Pathway:	Others
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 (155.34 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.5534 mL	7.7669 mL	15.5337 mL
		5 mM		0.3107 mL	1.5534 mL	3.1067 mL
		10 mM		0.1553 mL	0.7767 mL	1.5534 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 (3.88 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.88 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.88 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Crassicauline A (Crassicaulin A) is a bioactive alkaloid found in roots of <i>Aconitum carmichaeli</i> . Crassicauline A (Crassicaulin A) possesses feeding deterrent activity against <i>T. castaneum</i> adults with an EC ₅₀ of 1134.5 ppm ^{[1][2]} .
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REFERENCES

[1]. Ka-Wing Chung K, et al. Measurement of yunaconitine and crassicauline A in small-volume blood serum samples by LC-MS/MS: tracing of aconite poisoning in clinical diagnosis. *Talanta*. 2012 Aug 15;97:491-8.

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

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