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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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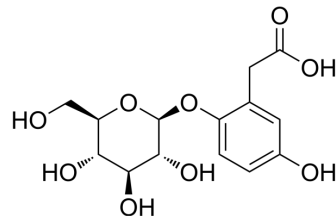
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Phaseoloidin

Cat. No.:	HY-N7400
CAS No.:	118555-82-1
Molecular Formula:	C ₁₄ H ₁₈ O ₉
Molecular Weight:	330.29
Target:	Complement System
Pathway:	Immunology/Inflammation
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 (302.76 mM; Need ultrasonic)																			
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent Concentration</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>3.0276 mL</td> <td>15.1382 mL</td> <td>30.2764 mL</td> </tr> <tr> <td>5 mM</td> <td>0.6055 mL</td> <td>3.0276 mL</td> <td>6.0553 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3028 mL</td> <td>1.5138 mL</td> <td>3.0276 mL</td> </tr> </tbody> </table>	Solvent Concentration	1 mg	5 mg	10 mg	1 mM	3.0276 mL	15.1382 mL	30.2764 mL	5 mM	0.6055 mL	3.0276 mL	6.0553 mL	10 mM	0.3028 mL	1.5138 mL	3.0276 mL		
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10 mM	0.3028 mL	1.5138 mL	3.0276 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 (7.57 mM); Clear solution																			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution																			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.57 mM); Clear solution																			

BIOLOGICAL ACTIVITY

Description	Phaseoloidin is a homomentisic acid glucoside from <i>Nicotiana attenuata</i> trichomes and contributes to the plant's resistance against lepidopteran herbivores. Phaseoloidin reduces larval growth of the specialist larvae <i>Manduca sexta</i> and the generalist larvae <i>Spodoptera littoralis</i> ^[1] . Phaseoloidin has anti-complement activities ^[2] .
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REFERENCES

[1]. Alexander Weinhold, et al. Phaseoloidin, a homomentisic acid glucoside from *Nicotiana attenuata* trichomes, contributes to the plant's resistance against lepidopteran

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

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