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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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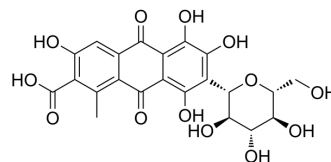
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Carminic acid

Cat. No.:	HY-N8407
CAS No.:	1260-17-9
Molecular Formula:	C ₂₂ H ₂₀ O ₁₃
Molecular Weight:	492.39
Target:	Fluorescent Dye
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 : 125 mg/mL (253.86 mM; Need ultrasonic)																							
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.0309 mL</td> <td>10.1546 mL</td> <td>20.3091 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4062 mL</td> <td>2.0309 mL</td> <td>4.0618 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2031 mL</td> <td>1.0155 mL</td> <td>2.0309 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	1 mM	2.0309 mL	10.1546 mL	20.3091 mL	5 mM	0.4062 mL	2.0309 mL	4.0618 mL	10 mM	0.2031 mL	1.0155 mL	2.0309 mL			
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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: ≥ 2.08 mg/mL (4.22 mM); Clear solution																							

BIOLOGICAL ACTIVITY

Description	Carminic acid is a natural red colorant, which belongs to the coccid dye family ^[1] .
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REFERENCES

[1]. Rasmus J N Frandsen, et al. Heterologous production of the widely used natural food colorant carminic acid in *Aspergillus nidulans*. *Sci Rep.* 2018 Aug 27;8(1):12853.

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

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