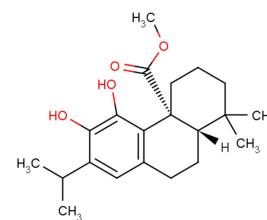


Methyl carnosate

Chemical Properties

CAS No.:	82684-06-8
Formula:	C ₂₁ H ₃₀ O ₄
Molecular Weight:	346.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Methyl carnosate has potent antioxidant and anti-bacterial activity. Methyl carnosate is a diterpene isolated from <i>Salvia officinalis</i> or <i>Rosmarinus officinalis</i> .
Targets(IC ₅₀)	<i>Bacillus cereus</i> : None
In vitro	Methyl carnosate has antibacterial activity against <i>Bacillus cereus</i> [2].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.886 mL	14.432 mL	28.863 mL
5 mM	0.577 mL	2.886 mL	5.773 mL
10 mM	0.289 mL	1.443 mL	2.886 mL
50 mM	0.058 mL	0.289 mL	0.577 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Marie-Elisabeth Cuvelier, et al. Antioxidant Constituents in Sage (*Salvia officinalis*). *J. Agric. Food Chem.* 1994, 42, 005-609 005.
2. Klimati E, et al. Methyl carnosate, an antibacterial diterpene isolated from *Salvia officinalis* leaves. *Nat Prod Commun.* 2013 Apr;8(4):429-30.

Inhibitors · Natural Compounds · Compound Libraries

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