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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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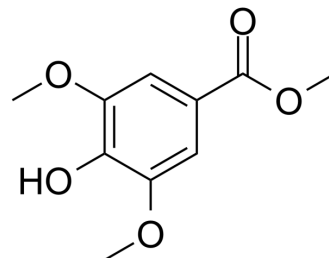
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Methyl syringate

Cat. No.:	HY-W002116		
CAS No.:	884-35-5		
Molecular Formula:	C ₁₀ H ₁₂ O ₅		
Molecular Weight:	212.2		
Target:	TRP Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (471.25 mM; ultrasonic and warming and heat to 60°C)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM		4.7125 mL	23.5627 mL	47.1254 mL
		5 mM		0.9425 mL	4.7125 mL	9.4251 mL
10 mM			0.4713 mL	2.3563 mL	4.7125 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 (11.78 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.78 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.78 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Methyl syringate, a chemical marker of asphodel monofloral honey, is an efficient phenolic mediator for bacterial and fungal laccases. Methyl syringate is a TRPA1 agonist ^{[1][2][3]} .
IC ₅₀ & Target	TRPA1 ^[3] .

REFERENCES

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- [1]. Tuberoso CI, et al. Methyl syringate: a chemical marker of asphodel (*Asphodelus microcarpus* Salzm. et Viv.) monofloral honey. *J Agric Food Chem.* 2009 May 13;57(9):3895-900.
- [2]. Rosado T, et al. Methyl syringate: an efficient phenolic mediator for bacterial and fungal laccases. *Bioresour Technol.* 2012 Nov;124:371-8.
- [3]. Kim MJ, et al. The TRPA1 agonist, methyl syringate suppresses food intake and gastric emptying. *PLoS One.* 2013 Aug 21;8(8):e71603.
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Caution: Product has not been fully validated for medical applications. For research use only.

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