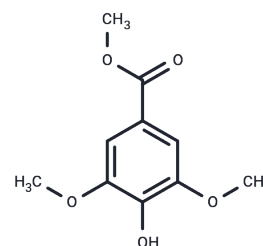


Methyl syringate

Chemical Properties

CAS No. :	884-35-5
Formula:	C ₁₀ H ₁₂ O ₅
Molecular Weight:	212.2
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Methyl syringate (Syringic Acid Methyl Ester) has a unique inhibitory activity toward aflatoxin production with a different mode of action from that of gallic acid. Methyl syringate from <i>K. pictus</i> is a specific and selective activator of hTRPA1, can regulate food intake and gastric emptying through a TRPA1-mediated pathway and, by extension, can contribute to weight suppression.
Targets(IC50)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 18.33 mg/mL (86.4 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0943 mL	0.4713 mL	0.9425 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- Kim MJ, et al. PLoS One. 2013 Aug 21;8(8):e71603.
Son HJ, et al. Arch Pharm Res. 2012 Dec;35(12):2211-8.
Jermnak U, et al. Int J Food Microbiol. 2012 Feb 15;153(3):339-44.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481