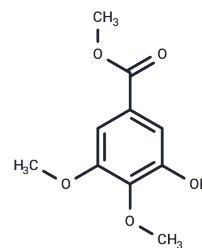


Methyl 3-hydroxy-4,5-dimethoxybenzoate

Chemical Properties

CAS No. :	83011-43-2
Formula:	C ₁₀ H ₁₂ O ₅
Molecular Weight:	212.2
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Methyl 3-hydroxy-4,5-dimethoxybenzoate (3,4-Dimethoxy-5-hydroxybenzoic acid methyl ester) is a gallic acid derivative from <i>Pinus sylvestris</i> exhibiting antibacterial activity and antioxidant properties in the presence of H ₂ O ₂ .
Targets(IC50)	Antioxidant, Antibacterial, Antibiotic, Antifungal, ROS
In vitro	Methyl 3-hydroxy-4,5-dimethoxybenzoate showed obvious antimicrobial activities. The minimum inhibitory concentration of this compound was 5 mg/ml against <i>Staphylococcus aureus</i> and <i>Rhizopus</i> , and 10 mg/ml against <i>E.coli</i> [1].

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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wei Tian, et al. Identification of gallicin from *Myricaria laxiflora* and its antibiotic & antioxidant activity.

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