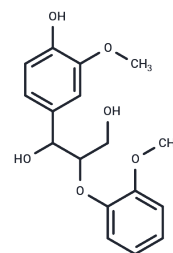


Guaiacylglycerol-beta-guaiacyl Ether

Chemical Properties

CAS No. :	7382-59-4
Formula:	C17H20O6
Molecular Weight:	320.34
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Guaiacylglycerol-beta-guaiacyl Ether is degraded by microorganisms and is commonly used as a substrate to mimic microbial degradation of cell walls of lignin-living plants.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1217 mL	15.6084 mL	31.2168 mL
5 mM	0.6243 mL	3.1217 mL	6.2434 mL
10 mM	0.3122 mL	1.5608 mL	3.1217 mL
50 mM	0.0624 mL	0.3122 mL	0.6243 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

Hayashi T, et al. Vanillin Production Pathways in Alkaline Nitrobenzene Oxidation of Guaiacylglycerol- β -guaiacyl Ether. J Agric Food Chem. 2023 Jul 5;71(26):10124-10132.

Guo WJ, et al. Design and Engineering of an Efficient Peroxidase Using Myoglobin for Dye Decolorization and Lignin Bioconversion. Int J Mol Sci. 2021 Dec 30;23(1):413.

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