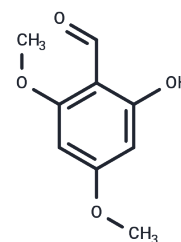


4,6-Dimethoxysalicylaldehyde

Chemical Properties

CAS No. :	708-76-9
Formula:	C9H10O4
Molecular Weight:	182.17
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	4,6-Dimethoxysalicylaldehyde inhibits hepatic gluconeogenesis in rat hepatocellular carcinoma cells H4-II-E-C3, which can be used to study type 2 diabetes.
Targets(IC50)	Others
In vitro	4,6-Dimethoxysalicylaldehyde exhibits in vitro antibacterial activity against <i>Campylobacter jejuni</i> with a BA ₅₀ value of 0.038[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4894 mL	27.4469 mL	54.8938 mL
5 mM	1.0979 mL	5.4894 mL	10.9788 mL
10 mM	0.5489 mL	2.7447 mL	5.4894 mL
50 mM	0.1098 mL	0.5489 mL	1.0979 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

FRIEDMAN, M., HENIKA, P. R., & MANDRELL, R. E. (2003). Antibacterial Activities of Phenolic Benzaldehydes and Benzoic Acids against *Campylobacter jejuni*, *Escherichia coli*, *Listeria monocytogenes*, and *Salmonella enterica*. *Journal of Food Protection*, 66(10), 1811-1821.

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