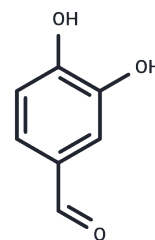


## Protocatechualdehyde

## Chemical Properties

CAS No. :	139-85-5
Formula:	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>
Molecular Weight:	138.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Protocatechualdehyde (3,4-Dihydroxybenzaldehyde), a natural polyphenol compound derived from radix Salviae Miltiorrhizae roots, exhibits diverse biological activities and finds extensive medicinal applications as an antioxidant, anti-aging, antibacterial, and anti-inflammatory agent.
Targets(IC50)	Reactive Oxygen Species,Antibacterial

## Solubility Information

Solubility	DMSO: 50 mg/mL (362 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2401 mL	36.2004 mL	72.4008 mL
5 mM	1.448 mL	7.2401 mL	14.4802 mL
10 mM	0.724 mL	3.620 mL	7.2401 mL
50 mM	0.1448 mL	0.724 mL	1.448 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

Kono R, et al. Acta Histochem Cytochem. 2014 Jun 28;47(3):103-12.

Wang T, Yang C, Tang Y, et al.Development of a new paradigm model for deciphering action mechanism of Danhong injection using a combination of isothermal shift assay and database interrogation.Chinese Medicine. 2024, 19(1): 136.

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