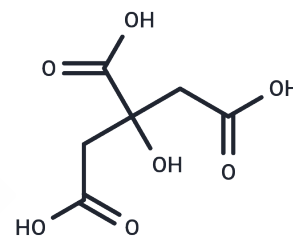


Citric acid

Chemical Properties

CAS No. :	77-92-9
Formula:	C ₆ H ₈ O ₇
Molecular Weight:	192.12
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Citric acid (Citro) (1-2 g/kg) can decrease brain lipid peroxidation and inflammation, liver damage, and DNA fragmentation. 2. Citric acid denture cleansers can reduce <i>C. albicans</i> biofilm accumulation and cell viability. However, this CT did not prevent biofilm recolonization.
Targets(IC50)	Apoptosis,Endogenous Metabolite,Antibacterial,Antibiotic

Solubility Information

Solubility	H2O: 100 mg/mL (520.51 mM),Sonication is recommended. DMSO: 55 mg/mL (286.28 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	5.2051 mL	26.0254 mL	52.0508 mL
5 mM	1.041 mL	5.2051 mL	10.4102 mL
10 mM	0.5205 mL	2.6025 mL	5.2051 mL
50 mM	0.1041 mL	0.5205 mL	1.041 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

Chen Y X , Lin Q , Luo Y M , et al. The role of citric acid on the phytoremediation of heavy metal contaminated soil [J]. Chemosphere, 2003, 50(6):807-811.

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