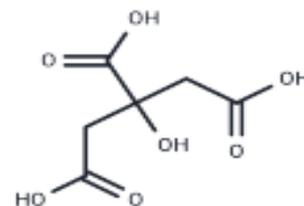


Citric acid monohydrate

#Cat: NB-64-30074-10g Size: 10 g
 #Cat: NB-64-30074-1mL Size: 1 mL

Chemical Properties:

CAS No: 5949-29-1
Formula: C₆H₁₀O₈
Molecular Weight: 210.14
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description:

Description	Citric Acid Monohydrate is a tricarboxylic acid found in citrus fruits. Citric acid is used as an excipient in pharmaceutical preparations due to its antioxidant properties. It maintains stability of active ingredients and is used as a preservative.
Targets (IC50)	Others

Solubility Information

Solubility	DMSO: 30 mg/ml(142.76 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.7587 mL	23.7937 mL	47.5873 mL
5 mM	0.9517 mL	4.7587 mL	9.5175 mL
10 mM	0.4759 mL	2.3794 mL	4.7587 mL
50 mM	0.0952 mL	0.4759 mL	0.9517 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

Goel A , Zhao Z , Dan Sørensen, et al. Esterification of pseudoephedrine hydrochloride by citric acid in a solid dose pharmaceutical preparation[J]. Journal of pharmaceutical and biomedical analysis, 2016, 129:410-418.

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