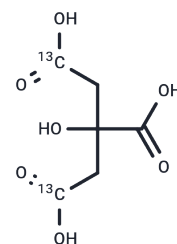


Citric acid-13C2

Chemical Properties

CAS No. : 224054-26-6
 Formula: C₆H₈O₇
 Molecular Weight: 194.11
 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	Citric acid-13C2 is a 13C-labeled form of citric acid. Citric acid (T550636) serves as a preservative and food additive. It induces apoptosis in HaCaT cells and causes cell cycle arrest at the G2/M and S phases. Additionally, citric acid contributes to liver oxidative damage by reducing antioxidant enzyme activity. It also functions as an acidulant, emulsifier, chelating agent, and buffer, with extensive applications across multiple industries.
Targets(IC50)	Apoptosis,Others,Endogenous Metabolite,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1517 mL	25.7586 mL	51.5172 mL
5 mM	1.0303 mL	5.1517 mL	10.3034 mL
10 mM	0.5152 mL	2.5759 mL	5.1517 mL
50 mM	0.103 mL	0.5152 mL	1.0303 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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