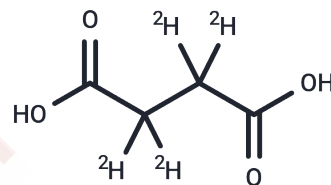


Succinic-2,2,3,3-D4 Acid

Chemical Properties

CAS No. :	14493-42-6
Formula:	C ₄ H ₂ D ₄ O ₄
Molecular Weight:	122.11
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	Succinic-2,2,3,3-D4 Acid is a deuterated compound of Succinic Acid. Succinic Acid (T2719) has a CAS number of 110-15-6. Succinic acid is a water-soluble, colorless crystal with an acid taste that is used as a chemical intermediate, in medicine, the manufacture of lacquers, and to make perfume esters. It is also used in foods as a sequestrant, buffer, and a neutralizing agent.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.1893 mL	40.9467 mL	81.8934 mL
5 mM	1.6379 mL	8.1893 mL	16.3787 mL
10 mM	0.8189 mL	4.0947 mL	8.1893 mL
50 mM	0.1638 mL	0.8189 mL	1.6379 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

- Sanjeeva Gandhi M, Mok YS. Chemosphere. 2014 Dec;117:440-6.

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