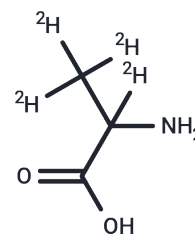


## DL-Alanine-2,3,3,3-D4

### Chemical Properties

CAS No. :	53795-92-9
Formula:	C3D4H3NO2
Molecular Weight:	93.12
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	DL-Alanine-2,3,3,3-D4 is a deuterated compound of DL-Alanine. DL-Alanine (TN1003) has a CAS number of 302-72-7. DL-Alanine (TN1003) is an amino acid that is a racemic compound of L- and D-alanine. DL-Alanine is often used as a reducing and capping agent in conjunction with aqueous silver nitrate for nanoparticle generation. DL-Alanine is a sweetening agent, and can be grouped with glycine and sodium saccharin. DL-Alanine plays an important role in glucose-alanine cycling between tissues and liver. DL-Alanine can be used to study the chelation of transition metals such as Cu, Zn, and Cd. DL-Alanine (TN1003) plays an important role in the glucose-alanine cycle between tissues and the liver. DL-Alanine can be used to study the chelation of transition metals such as Cu, Zn, and Cd.
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.7388 mL	53.6942 mL	107.3883 mL
5 mM	2.1478 mL	10.7388 mL	21.4777 mL
10 mM	1.0739 mL	5.3694 mL	10.7388 mL
50 mM	0.2148 mL	1.0739 mL	2.1478 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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