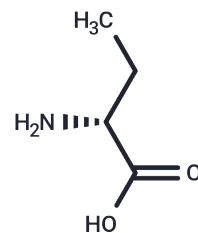


D(-)-2-Aminobutyric acid

Chemical Properties

CAS No. :	2623-91-8
Formula:	C ₄ H ₉ NO ₂
Molecular Weight:	103.12
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	D(-)-2-Aminobutyric acid is a substrate of D-amino acid oxidase.
Targets(IC50)	Endogenous Metabolite
In vitro	D(-)-2-Aminobutyric acid (D- α -aminobutyric acid) serves as a substrate for D-amino acid oxidase.

Solubility Information

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

	1mg	5mg	10mg
1 mM	9.6974 mL	48.4872 mL	96.9744 mL
5 mM	1.9395 mL	9.6974 mL	19.3949 mL
10 mM	0.9697 mL	4.8487 mL	9.6974 mL
50 mM	0.1939 mL	0.9697 mL	1.9395 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

Yagi K, et al. Spectroscopic demonstration of an initial stage of the complex of D-amino acid oxidase and its substrate D-alpha-aminobutyric acid. Biochem Biophys Res Commun. 1980 Nov 28;97(2):370-4.

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