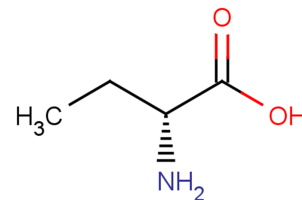


D(-)-2-Aminobutyric acid

Chemical Properties

CAS No.:	2623-91-8
Formula:	C ₄ H ₉ NO ₂
Molecular Weight:	103.12
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	D(-)-2-Aminobutyric acid is the substrate of D-amino acid oxidase.
Targets(IC ₅₀)	Human Endogenous Metabolite: None
In vitro	D(-)-2-Aminobutyric acid (D-α-aminobutyric acid) is a substrate of D-amino acid oxidase.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.697 mL	48.487 mL	96.974 mL
5 mM	1.939 mL	9.697 mL	19.395 mL
10 mM	0.97 mL	4.849 mL	9.697 mL
50 mM	0.194 mL	0.97 mL	1.939 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

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