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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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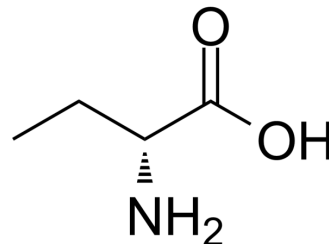
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D(-)-2-Aminobutyric acid

Cat. No.:	HY-Y0127		
CAS No.:	2623-91-8		
Molecular Formula:	C ₄ H ₉ NO ₂		
Molecular Weight:	103.12		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (969.74 mM; Need ultrasonic)			
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
Preparing Stock Solutions	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (484.87 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	D(-)-2-Aminobutyric acid is a substrate of D-amino acid oxidase.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	D(-)-2-Aminobutyric acid (D-α-aminobutyric acid) is a substrate of D-amino acid oxidase ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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