



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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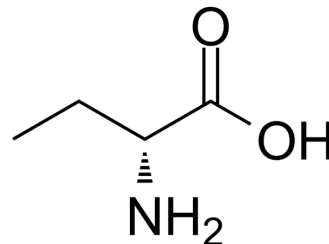
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## D(-)-2-Aminobutyric acid

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



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 100 mg/mL (969.74 mM; Need ultrasonic)			
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)			
		<b>Solvent</b>	<b>Mass</b>	
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	9.6974 mL	48.4872 mL	96.9744 mL
	<b>5 mM</b>	1.9395 mL	9.6974 mL	19.3949 mL
	<b>10 mM</b>	0.9697 mL	4.8487 mL	9.6974 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (484.87 mM); Clear solution; Need ultrasonic			

### BIOLOGICAL ACTIVITY

<b>Description</b>	D(-)-2-Aminobutyric acid is a substrate of D-amino acid oxidase.
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite
<b>In Vitro</b>	D(-)-2-Aminobutyric acid (D-α-aminobutyric acid) is a substrate of D-amino acid oxidase <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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[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.

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

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