



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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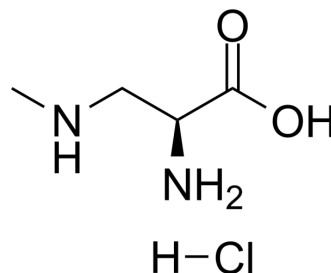
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## β-N-methylamino-L-alanine hydrochloride

<b>Cat. No.:</b>	HY-W015546
<b>CAS No.:</b>	16012-55-8
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	154.6
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 31.25 mg/mL (202.13 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	6.4683 mL	32.3415 mL	64.6831 mL
		5 mM	1.2937 mL	6.4683 mL	12.9366 mL
		10 mM	0.6468 mL	3.2342 mL	6.4683 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: 25 mg/mL (161.71 mM); Clear solution; Need ultrasonic				

### BIOLOGICAL ACTIVITY

<b>Description</b>	β-N-methylamino-L-alanine hydrochloride (BMAA hydrochloride) is a neurotoxin produced by cyanobacteria. β-N-methylamino-L-alanine hydrochloride could cause amyotrophic lateral sclerosis (ALS) and possibly other neurodegenerative diseases <sup>[1][2][3]</sup> .
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### REFERENCES

- [1]. Caller T, et, al. The Potential Role of BMAA in Neurodegeneration. Neurotox Res. 2018 Jan; 33(1): 222-226.
- [2]. Cox PA, et, al. BMAA and Neurodegenerative Illness. Neurotox Res. 2018 Jan; 33(1): 178-183.
- [3]. Okamoto S, et, al. β-N-methylamino-L-alanine (BMAA) suppresses cell cycle progression of non-neuronal cells. Sci Rep. 2018 Dec 20; 8(1): 17995.

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

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