



# 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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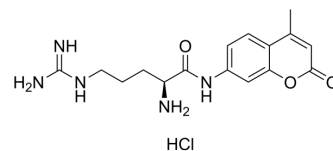
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## L-Arginine-7-amido-4-methylcoumarin hydrochloride

Cat. No.:	HY-137841
CAS No.:	69304-16-1
Molecular Formula:	C <sub>16</sub> H <sub>22</sub> ClN <sub>5</sub> O <sub>3</sub>
Molecular Weight:	367.83
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 3.85 mg/mL (10.47 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7186 mL	13.5932 mL	27.1865 mL
	5 mM	0.5437 mL	2.7186 mL	5.4373 mL
	10 mM	0.2719 mL	1.3593 mL	2.7186 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

L-Arginine-7-amido-4-methylcoumarin (Arginine 4-methyl-7-coumarylamide) hydrochloride is a specific substrate of cathepsin H but not for cathepsins L and B<sup>[1]</sup>.

### REFERENCES

[1]. Bei-Wei Zhu, et al. Purification and characterization of a cathepsin L-like enzyme from the body wall of the sea cucumber *Stichopus japonicus*. *Biosci Biotechnol Biochem.* 2008 Jun;72(6):1430-7.

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

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