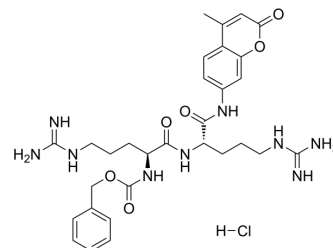


## Z-Arg-Arg-AMC hydrochloride

<b>Cat. No.:</b>	HY-134434
<b>CAS No.:</b>	136132-67-7
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>40</sub> ClN <sub>9</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	658.15
<b>Sequence:</b>	Z-Arg-Arg-AMC
<b>Sequence Shortening:</b>	Z-RR-AMC
<b>Target:</b>	Cathepsin
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Sealed storage, away from moisture
	Powder    -80°C    2 years
	-20°C    1 year



\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (151.94 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.5194 mL	7.5971 mL	15.1941 mL
		5 mM	0.3039 mL	1.5194 mL	3.0388 mL
		10 mM	0.1519 mL	0.7597 mL	1.5194 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.80 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.80 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.80 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Z-Arg-Arg-AMC hydrochloride is a selective substrate of cathepsin B <sup>[1]</sup> .
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### REFERENCES

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

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