



# 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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## Z-Gly-Gly-Arg-AMC acetate

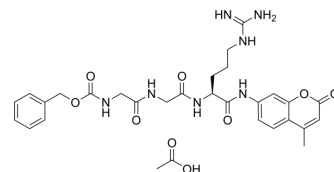
Cat. No.: HY-P0019A  
CAS No.: 2070009-61-7

Molecular Formula:  $C_{30}H_{37}N_7O_9$

Molecular Weight: 639.66

Storage: Sealed storage, away from moisture and light  
Powder -80°C 2 years  
-20°C 1 year

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



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (156.33 mM; ultrasonic and warming and heat to 60°C)  
H<sub>2</sub>O : 20 mg/mL (31.27 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5633 mL	7.8167 mL	15.6333 mL
	5 mM	0.3127 mL	1.5633 mL	3.1267 mL
	10 mM	0.1563 mL	0.7817 mL	1.5633 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 4.17 mg/mL (6.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 4.17 mg/mL (6.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 4.17 mg/mL (6.52 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Z-Gly-Gly-Arg-AMC acetate is a thrombin-specific fluorogenic substrate for testing of thrombin generation in PRP and platelet-poor plasma (PPP).

### CUSTOMER VALIDATION

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- Int J Biol Macromol. 2019 Sep 15;137:261-269.
  - Int J Biol Macromol. 2019 Aug 1;134:622-630.
  - J Mater Chem B. 2017 Oct 14;5(38):7876-7884.
  - Chem Biol Interact. 2023 Apr 18;110501.
  - Bioorg Chem. 2019 Nov;92:103199.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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