



# 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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

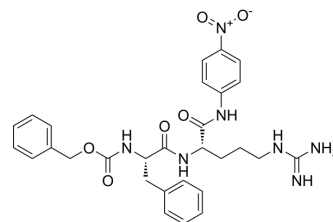
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Z-Phe-Arg-pNA

|                      |   |
|----------------------|---|
| Cat. No.:            | HY-P4515  |
| CAS No.:             | 117761-01-0   |
| Molecular Formula:   | C <sub>29</sub> H <sub>33</sub> N <sub>7</sub> O <sub>6</sub> |
| Molecular Weight:    | 575.62  |
| Sequence:            | {Cbz}-Phe-Arg-{pNA}   |
| Sequence Shortening: | {Cbz}-FR-{pNA}  |
| Target:              | Cathepsin   |
| Pathway:             | Metabolic Enzyme/Protease                                     |
| Storage:             | 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

#### In Vitro

H<sub>2</sub>O : 17 mg/mL (29.53 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass      |           |            |
|---------------------------|-----------------------|-----------|-----------|------------|
|                           |                       | 1 mg      | 5 mg      | 10 mg      |
|                           | 1 mM                  | 1.7373 mL | 8.6863 mL | 17.3726 mL |
|                           | 5 mM                  | 0.3475 mL | 1.7373 mL | 3.4745 mL  |
|                           | 10 mM                 | 0.1737 mL | 0.8686 mL | 1.7373 mL  |

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

### BIOLOGICAL ACTIVITY

**Description**      Z-Phe-Arg-pNA is a substrate of Cathepsin L<sup>[1]</sup>.

**IC<sub>50</sub> & Target**    Cathepsin L<sup>[1]</sup>

### REFERENCES

[1]. Turk B, et al. Acidic pH as a physiological regulator of human cathepsin L activity. Eur J Biochem. 1999 Feb;259(3):926-32.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA