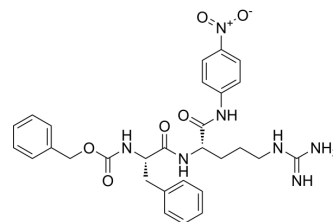


## Z-Phe-Arg-pNA

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