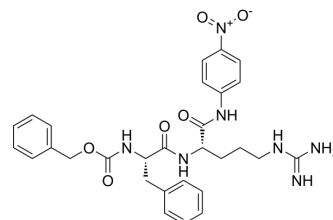


Z-Phe-Arg-pNA

Cat. No.: HY-P4515
CAS No.: 117761-01-0
Molecular Formula: C₂₉H₃₃N₇O₆
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

H₂O : 17 mg/mL (29.53 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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^[1].

IC₅₀ & Target

Cathepsin L^[1]

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.

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