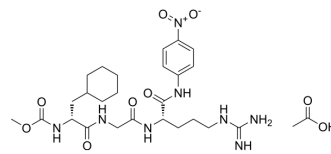


## CH3OCO-D-CHA-Gly-Arg-pNA acetate

<b>Cat. No.:</b>	HY-153829
<b>CAS No.:</b>	80895-10-9
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>42</sub> N <sub>8</sub> O <sub>9</sub>
<b>Molecular Weight:</b>	622.67
<b>Target:</b>	Factor Xa
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 250 mg/mL (401.50 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6060 mL	8.0299 mL	16.0599 mL
	5 mM	0.3212 mL	1.6060 mL	3.2120 mL
	10 mM	0.1606 mL	0.8030 mL	1.6060 mL

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

### BIOLOGICAL ACTIVITY

#### Description

CH3OCO-D-CHA-Gly-Arg-pNA acetate is a chromogenic substrate for factor Xa<sup>[1][2]</sup>.

### REFERENCES

- [1]. Muthiah Manoharan, et al. Preparation of lipids and glycolipids for the delivery of therapeutics to cells. Patent. US20180064807.
- [2]. Patil DN, et al. Structural basis for dual inhibitory role of tamarind Kunitz inhibitor (TKI) against factor Xa and trypsin. FEBS J. 2012 Dec;279(24):4547-64.

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

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