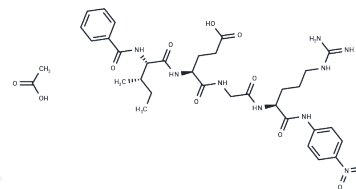


Bz-IEGR-pNA (acetate)

Chemical Properties

CAS No. :	1325307-57-0
Formula:	C34H47N9O11
Molecular Weight:	757.802
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Bz-IEGR-pNA is a colorimetric substrate for Factor Xa.1 Factor Xa preferentially binds to and cleaves the Ile-Glu-Gly-Arg (IEGR) peptide sequence to release p-nitroanilide (pNA), which can be quantified by colorimetric detection at 405 nm as a measure of Factor Xa activity.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3196 mL	6.598 mL	13.1961 mL
5 mM	0.2639 mL	1.3196 mL	2.6392 mL
10 mM	0.132 mL	0.6598 mL	1.3196 mL
50 mM	0.0264 mL	0.132 mL	0.2639 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Aruell, L., Friberger, P., Karlsson, G., et al. A new sensitive and highly specific chromogenic peptide substrate for factor Xa. Thromb. Res. 11(5), 595-609 (1977).

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