

S2366 HCl

Chemical Properties

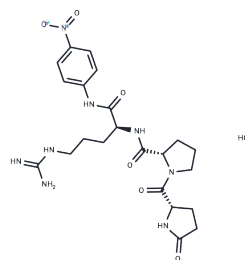
CAS No. : 127428-47-1

Formula: C₂₂H₃₁ClN₈O₆

Molecular Weight: 538.98

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	S 2366 is a chromogenic substrate for Factor XI in plasma.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8554 mL	9.2768 mL	18.5536 mL
5 mM	0.3711 mL	1.8554 mL	3.7107 mL
10 mM	0.1855 mL	0.9277 mL	1.8554 mL
50 mM	0.0371 mL	0.1855 mL	0.3711 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Li QQ, Yang FQ, Wang YZ, Wu ZY, Xia ZN, Chen H. Evaluation of thrombin inhibitory activity of catechins by online capillary electrophoresis-based immobilized enzyme microreactor and molecular docking. *Talanta*. 2018 Aug 1; 185:16-22. doi: 10.1016/j.talanta.2018.03.049. Epub 2018 Mar 18. PubMed PMID: 29759183.

Lövgren A, Deinum J, Rosén S, Bryngelhed P, Rosén P, Hansson KM. Characterization of thrombin derived from human recombinant prothrombin. *Blood Coagul Fibrinolysis*. 2015 Jul;26(5):545-55. doi: 10.1097/MBC.000000000000289. PubMed PMID: 25811451; PubMed Central PMCID: PMC4500656.

Geng Y, Verhamme IM, Messer A, Sun MF, Smith SB, Bajaj SP, Gailani D. A sequential mechanism for exosite-mediated factor IX activation by factor XIa. *J Biol Chem*. 2012 Nov 2;287(45):38200-9. doi: 10.1074/jbc.M112.376343. Epub 2012 Sep 7. PubMed PMID: 22961984; PubMed Central PMCID: PMC3488089.

Marcinkiewicz MM, Sinha D, Walsh PN. Productive recognition of factor IX by factor XIa exosites requires disulfide linkage between heavy and light chains of factor XIa. *J Biol Chem*. 2012 Feb 24;287(9):6187-95. doi: 10.1074/jbc.M111.291989. Epub 2011 Dec 29. PubMed PMID: 22207756; PubMed Central PMCID: PMC3307291.

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