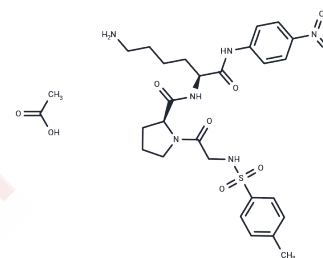


N-p-Tosyl-Gly-Pro-Lys-pNA (acetate)

Chemical Properties

CAS No. :	88793-79-7
Formula:	C ₂₈ H ₃₈ N ₆ O ₉ S
Molecular Weight:	634.71
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	N-p-Tosyl-Gly-Pro-Lys-pNA is a colorimetric substrate for plasmin. 1,2,3Plasmin binds and hydrolyzes N-p-tosyl-Gly-Pro-Lys-pNA to release p-nitroanilide (pNA), which can be quantified by colorimetric detection at 405 nm as a measure of plasmin activity.
Targets(IC50)	Others

Solubility Information

Solubility	Ethanol: 50 mg/mL (78.78 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5755 mL	7.8776 mL	15.7552 mL
5 mM	0.3151 mL	1.5755 mL	3.151 mL
10 mM	0.1576 mL	0.7878 mL	1.5755 mL
50 mM	0.0315 mL	0.1576 mL	0.3151 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

Jespersen, J., Gram, J., and Astrup, T. The autodigestion of human plasmin follows a bimolecular mode of reaction subject to product inhibition *Thromb. Res.* 41(3)395-404(1986)

Kim, S.H., and Choi, N.S. Electrophoretic analysis of protease inhibitors in fibrin zymography *Anal. Biochem.* 270(1) 179-181(1999)

Chen, T., and Rael, E.D. Purification of M5, a fibrinolytic proteinase from *Crotalus molossus molossus* venom that attacks complement *Int. J. Biochem. Cell Biol.* 29(5)789-799(1997)

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