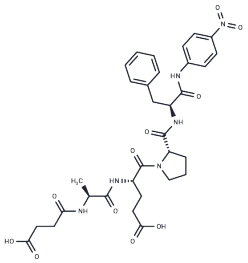
Data Sheet (Cat.No.T87450)

TargetMol

Suc-Ala-Glu-Pro-Phe-pNA

Chemical Properties



CAS No. : 128802-76-6

Formula: C32H38N6O11

Molecular Weight: 682.68

Storage: Keep away from direct sunlight
Store at -20°C
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Suc-Ala-Glu-Pro-Phe-pNA is a chromogenic substrate for PPIase (peptidyl-prolyl cis-trans isomerase), which releases pNA with an absorbance of 390 nm upon binding to PPIase, enabling quantitative detection of Pin1 enzyme activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 120 mg/mL (175.78 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4648 mL	7.3241 mL	14.6482 mL
5 mM	0.293 mL	1.4648 mL	2.9296 mL
10 mM	0.1465 mL	0.7324 mL	1.4648 mL
50 mM	0.0293 mL	0.1465 mL	0.293 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

Subedi A, et al. Discovery of novel selenium derivatives as Pin1 inhibitors by high-throughput screening. Biochem Biophys Res Commun. 2016 Jun 3;474(3):528-533.

Liu C, et al. Imazamethabenz inhibits human breast cancer cell proliferation, migration and invasion via combination with Pin1. Mol Med Rep. 2017 May;15(5):3210-3214.

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