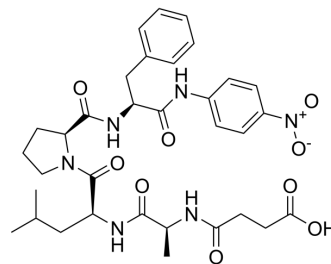


Suc-Ala-Leu-Pro-Phe-pNA

Cat. No.:	HY-P4581
CAS No.:	128802-78-8
Molecular Formula:	C ₃₃ H ₄₂ N ₆ O ₉
Molecular Weight:	666.72
Sequence:	Suc-Ala-Leu-Pro-Phe-pNA
Sequence Shortening:	Suc-ALPF-pNA
Target:	FKBP
Pathway:	Apoptosis; Autophagy; Immunology/Inflammation
Storage:	Sealed storage, away from moisture and light, under nitrogen
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (187.49 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.4999 mL	7.4994 mL	14.9988 mL
		5 mM	0.3000 mL	1.4999 mL	2.9998 mL
		10 mM	0.1500 mL	0.7499 mL	1.4999 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.12 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.12 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Suc-Ala-Leu-Pro-Phe-pNA (Suc-ALPF-pNA) is a substrate of FK-506 binding protein (FKBP) ^[1] .
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REFERENCES

[1]. Harrison RK, et al. Substrate specificities of the peptidyl prolyl cis-trans isomerase activities of cyclophilin and FK-506 binding protein: evidence for the existence of a family of distinct enzymes. *Biochemistry*. 1990 Apr 24;29(16):3813-6.

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

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