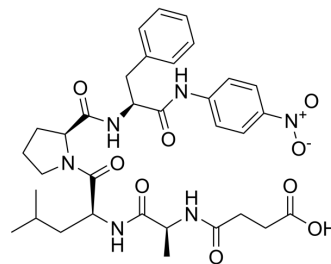


## Suc-Ala-Leu-Pro-Phe-pNA

<b>Cat. No.:</b>	HY-P4581
<b>CAS No.:</b>	128802-78-8
<b>Molecular Formula:</b>	C <sub>33</sub> H <sub>42</sub> N <sub>6</sub> O <sub>9</sub>
<b>Molecular Weight:</b>	666.72
<b>Sequence:</b>	Suc-Ala-Leu-Pro-Phe-pNA
<b>Sequence Shortening:</b>	Suc-ALPF-pNA
<b>Target:</b>	FKBP
<b>Pathway:</b>	Apoptosis; Autophagy; Immunology/Inflammation
<b>Storage:</b>	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 : ≥ 100 mg/mL (149.99 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

- 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
- 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)<sup>[1]</sup>.

### REFERENCES

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[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.

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

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