

## KLA seq acetate

<b>Cat. No.:</b>	HY-P4084A	
<b>Molecular Formula:</b>	C <sub>90</sub> H <sub>170</sub> N <sub>24</sub> O <sub>18</sub> ·xC <sub>2</sub> H <sub>4</sub> O <sub>2</sub>	
<b>Sequence:</b>	Lys-Leu-Ala-Leu-Lys-Leu-Ala-Leu-Lys-Ala-Leu-Lys-Ala-Ala-Leu-Lys-Leu-Ala-NH <sub>2</sub>	
<b>Sequence Shortening:</b>	KLALKLALKALKAALKLA-NH <sub>2</sub>	Lys-Leu-Ala-Leu-Lys-Leu-Ala-Leu-Lys-Ala-Leu-Lys-Ala-Ala-Leu-Lys-Leu-Ala (acetate salt)
<b>Target:</b>	Others	
<b>Pathway:</b>	Others	
<b>Storage:</b>	Sealed storage, away from moisture	
	Powder    -80°C    2 years	
	-20°C    1 year	
	* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)	

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : ≥ 100 mg/mL * "≥" means soluble, but saturation unknown.
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### BIOLOGICAL ACTIVITY

<b>Description</b>	KLA seq acetate is a cell membrane-penetrating α-helical amphipathic model peptide. KLA seq acetate conjugates peptide nucleic acids (PNAs) for delivery to mammalian cells. KLA seq acetate covalently links targeted mRNA and fluorescein to form a delivery system that has low re-export and is less resistant to serum effects <sup>[1]</sup> .
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### REFERENCES

[1]. Oehlke J, et al. Enhancement of intracellular concentration and biological activity of PNA after conjugation with a cell-penetrating synthetic model peptide. Eur J Biochem. 2004 Jul;271(14):3043-9.

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

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