

LAH5

Cat. No.:	HY-P10068
CAS No.:	476169-12-7
Molecular Formula:	C ₁₃₂ H ₂₂₄ N ₄₀ O ₂₇
Molecular Weight:	2803.44
Sequence:	KKALLALALHHLAHLAHLALALKKA Lys-Lys-Ala-Leu-Leu-Ala-Leu-Ala-Leu-His-His-Leu-Ala-His-Leu-Ala-His-His-Leu-Ala-Leu -Ala-Leu-Lys-Lys-Ala
Sequence Shortening:	KKALLALALHHLAHLAHLALALKKA
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light 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)

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (35.67 mM)

* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.3567 mL	1.7835 mL	3.5670 mL
	5 mM	0.0713 mL	0.3567 mL	0.7134 mL
	10 mM	0.0357 mL	0.1784 mL	0.3567 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

LAH5 is an amphipathic cell-penetrating peptide. LAH5 effectively delivers CRISPR-Cas9 components into the nuclei of target cells by forming nanocomplexes with both RNP and RNP/HDR cargo^[1].

REFERENCES

[1]. Kichler A, et al. Histidine-rich amphipathic peptide antibiotics promote efficient delivery of DNA into mammalian cells. Proc Natl Acad Sci U S A. 2003 Feb 18;100(4):1564-8.

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

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