LAH5 TFA

Cat. No.: HY-P10068A

Molecular Formula: $C_{132}H_{224}N_{40}O_{27}.xC_2HF_3O_2$

Sequence: Lys-Lys-Ala-Leu-Leu-Ala-Leu-Ala-Leu-His-His-Leu-Ala-His-Leu-Ala-His-His-Leu-Ala-Leu-Ala-Leu-Leu-Lys-Lys-Ala

KKALLALALHHLAHLAHHLALALKKA (TFA salt)

Sequence Shortening: KKALLALALHHLAHLAHHLALALKKA

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)

BIOLOGICAL ACTIVITY

Description	LAH5 TFA is an amphipathic cell-penetrating peptide. LAH5 THA 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.

[2]. Öktem M, et al. Amphipathic Cell-Penetrating Peptide-Aided Delivery of Cas9 RNP for In Vitro Gene Editing and Correction. Pharmaceutics. 2023 Oct 20;15(10):2500.

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