Data Sheet (Cat.No.T81513)

TargetMol

Peptide A5K acetate

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Peptide A5K acetate (INF7-A5K-TAT acetate) is an amphiphilic peptide derived from the HA2-TAT fusion scaffold, designed to facilitate macromolecular transport in genome editing. Peptide A5K acetate non-covalently binds to CRISPR RNP (ribonucleoprotein complex) and delivers it into cells such as primary human T cells, B cells, and NK cells, enabling low-toxicity, multi-target, highly efficient, and precise genome editing.
Targets(IC50)	Others
In vitro	Peptide A5K acetate possesses the capability to efficiently edit T cells without significantly affecting their viability [1].

Reference

Dana V Foss, et al. Peptide-mediated delivery of CRISPR enzymes for the efficient editing of primary human lymphocytes. Nat Biomed Eng. 2023 May;7(5):647-660.

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