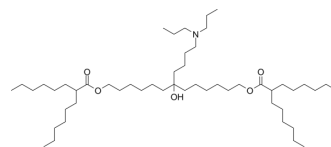


## CL4F8-6

Cat. No.:	HY-157252
CAS No.:	2766493-12-1
Molecular Formula:	C <sub>51</sub> H <sub>101</sub> NO <sub>5</sub>
Molecular Weight:	808.35
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

CL4F8-6 is an ionizable cationic lipid with a pK<sub>a</sub> of 6.14. CL4F8-6 can be used in lipid nanoparticles (LNPs)-based mRNA therapeutics. CL4F8-6 LNPs carrying Cas9 mRNA and sgRNA could induce CRISPR-mediated gene knockdown in mice<sup>[1]</sup>.

### REFERENCES

[1]. Kazuki Hashiba, et al. Branching Ionizable Lipids Can Enhance the Stability, Fusogenicity, and Functional Delivery of mRNA. *Small Science*. 09 November 2022.

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

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