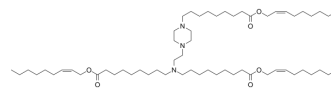


## 244cis

Cat. No.:	HY-160552
CAS No.:	2956402-64-3
Molecular Formula:	C <sub>60</sub> H <sub>111</sub> N <sub>3</sub> O <sub>6</sub>
Molecular Weight:	970.54
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

244cis, a piperazine-containing ionizable cationic lipid, has been used to generate lipid nanoparticles (LNPs). LNPs containing 244cis and coated with mRNA reporter gene were specifically accumulated in mouse lungs compared with LNPs containing SM-102. Induces a decrease in serum chemokine (C-C motif) ligand 2 (CCL2) levels<sup>[1]</sup>.

### REFERENCES

[1]. Kim M, et al. Novel piperazine-based ionizable lipid nanoparticles allow the repeated dose of mRNA to fibrotic lungs with improved potency and safety. *Bioeng Transl Med.* 2023 May 28;8(6):e10556.

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

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