

A reducible carbamate ionizable lipid library tailored towards intramuscular and systemic therapeutic applications

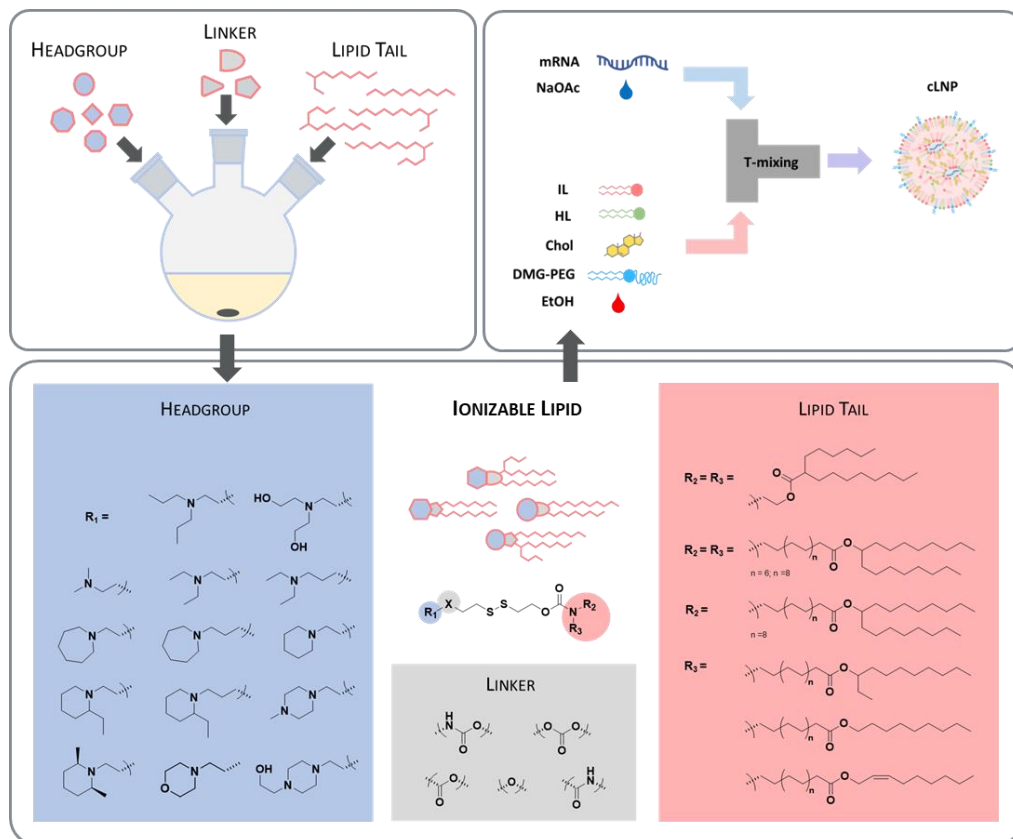
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Reducible carbamate ionizable lipid library

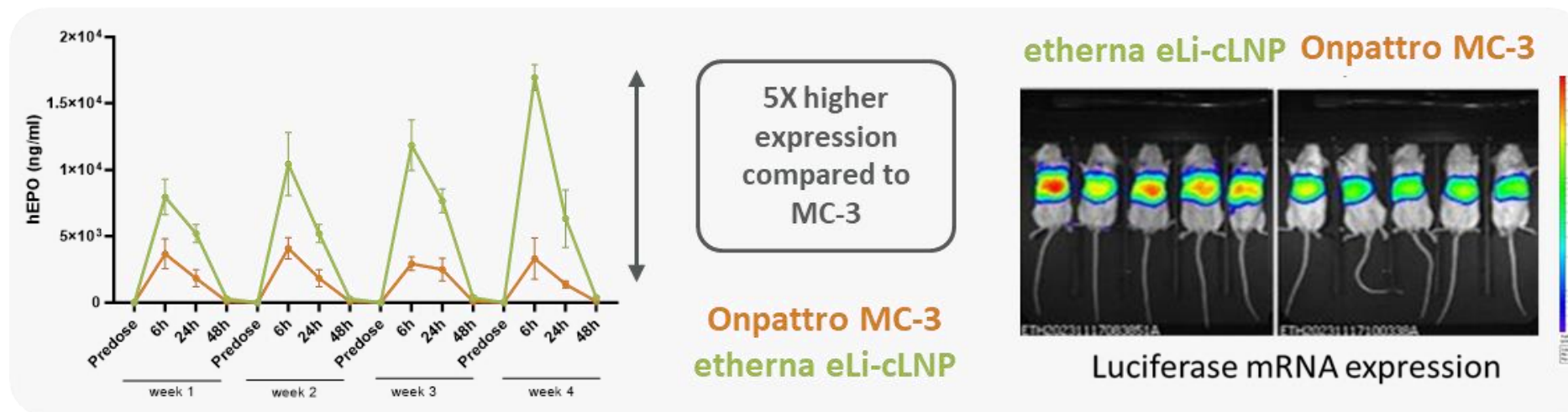
1. IL library design & LNP formulation



- **SAR**-based optimization of lipid chemistry
- **Customized** LNP formulation towards route of administration, target and desired activity

Reducible carbamate ionizable lipid library: IV

2. eLi-cLNP: high liver expression after IV administration



Superior expression compared to Onpattro™ MC-3 LNP

Repeated dosing without expression loss

No liver damage based on ALT/AST assessment

Reducible carbamate ionizable lipid library: IM

3. iVax- cLNP: high antibody responses for prophylactic vaccination

