

DC86120 | EA-PIP-LIPID 10

Instructions for Use

Lipid 10 is a novel ionizable cationic lipid be used for delivery of therapeutic RNA to the Bone Marrow in Multiple Myeloma Using CD38-Targeted with Lipid 10-LNP.

Product information

CAS No.	Not available
Chemical Name	EA-PIP-LIPID 10
Formula	C ₄₆ H ₈₅ N ₃ O ₂
M.Wt	712.19
Purity	ELSD-HPLC>95%
Storage	Original product: up to 1 year under the storage conditions stated on the vial, kept tightly sealed. Stock solutions: aliquots at -20°C, generally up to one month.
Shipping condition	Ships from Shanghai. Pure lipid is stable during ice-pack transport.

Formulation & study context

Literature values apply to the cited study only. Administration routes describe research, not clinical instructions.

A complete product-specific formulation has not been verified. No standard ratio is substituted.

N/P ratio	Not reported in the verified record
Cargo	Not available in the verified record
Administration route	Not available in the verified record
Animal model	Not available in the verified record
Formulation process	Not available in the verified record

N/P is a nitrogen-to-phosphate molar ratio. Lipid: cargo mass ratio is a different quantity and must not be used as N/P.

Stock-solution preparation table

Calculated using product-page MW: 712.19 g/mol. Volumes are final solution volumes.

Mass	1 mM	5 mM	10 mM
10 mg	14.041 mL	2.808 mL	1.404 mL
25 mg	35.103 mL	7.021 mL	3.510 mL
50 mg	70.206 mL	14.041 mL	7.021 mL

Mass	1 mM	5 mM	10 mM
100 mg	140.412 mL	28.082 mL	14.041 mL
250 mg	351.030 mL	70.206 mL	35.103 mL

Volume (mL) = mass (mg) × 1000 / [MW (g/mol) × concentration (mM)]. Mathematical conversions only; not measured solubility. Confirm solvent compatibility and the exact material before preparation.

Handling & storage

Provided that storage conditions are as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 1 year.

Wherever possible, prepare and use solutions on the same day. If stock solutions must be prepared in advance, store them as aliquots in tightly sealed vials at -20°C. Generally, these will be usable for up to one month.

Before use, and prior to opening the vial, allow the product to equilibrate to room temperature for at least 1 hour.

References

Delivery of Therapeutic RNA to the Bone Marrow in Multiple Myeloma Using CD38-Targeted Lipid Nanoparticles-Dana Tarab-Ravski, Inbal Hazan-Halevy, Meir Goldsmith, Lior Stotsky-Oterin, Dor Breier, Gonna Somu Naidu, Anjaiah Aitha, Yael Diesendruck, Brandon D. Ng, Hagit Barsheshet, Tamar Berger, Iuliana Vaxman, Pia Raanani, and Dan Peer*DOI: 10.1002/advs.202301377