

DC66528 | 9A1P9

Instructions for Use

9A1P9 is a multi-tail ionizable cationic phospholipid. 9A1P9 induces membrane destabilization. 9A1P9 can be used for CRISPR-Cas9 gene editing in mice.

Product information

CAS No.	Not available
Chemical Name	9A1P9
Formula	C27H58NO4P
M.Wt	491.7
Purity	>98%
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: 491.7 g/mol. Volumes are final solution volumes.

Mass	1 mM	5 mM	10 mM
10 mg	20.338 mL	4.068 mL	2.034 mL
25 mg	50.844 mL	10.169 mL	5.084 mL
50 mg	101.688 mL	20.338 mL	10.169 mL

Mass	1 mM	5 mM	10 mM
100 mg	203.376 mL	40.675 mL	20.338 mL
250 mg	508.440 mL	101.688 mL	50.844 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

Not available