

DC71044 | Fluorescent DOTAP

Instructions for Use

Fluorescent DOTAP, a cationic lipid, can be used for the research of nucleic acid and protein delivery.

Product information

CAS No.	Not available
Chemical Name	Fluorescent DOTAP
Formula	C36H60CLN5O7
M.Wt	710.3439
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: 710.3439 g/mol. Volumes are final solution volumes.

Mass	1 mM	5 mM	10 mM
10 mg	14.078 mL	2.816 mL	1.408 mL
25 mg	35.194 mL	7.039 mL	3.519 mL
50 mg	70.388 mL	14.078 mL	7.039 mL
100 mg	140.777 mL	28.155 mL	14.078 mL

Mass	1 mM	5 mM	10 mM
250 mg	351.942 mL	70.388 mL	35.194 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