

DC60409 | 14:0 TAP

Instructions for Use

TAP (14:0) A cationic lipids that can be used for drug delivery, gene transfection and vaccine delivery. TAP has been proven to be efficient for in vitro and in vivo transfection applications, which makes it one of the most widely used cationic lipids for gene transfection applications. Reagent grade, for research use only.

Product information

CAS No.	Not available
Chemical Name	14:0 TAP
Formula	C34H68NO2
M.Wt	590.370
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: 590.37 g/mol. Volumes are final solution volumes.

Mass	1 mM	5 mM	10 mM
10 mg	16.939 mL	3.388 mL	1.694 mL
25 mg	42.346 mL	8.469 mL	4.235 mL

Mass	1 mM	5 mM	10 mM
50 mg	84.693 mL	16.939 mL	8.469 mL
100 mg	169.385 mL	33.877 mL	16.939 mL
250 mg	423.463 mL	84.693 mL	42.346 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