

DC65427 | BP-28079

Instructions for Use

Bis(N-2-ethoxyethyl 2-hexyldecanoate)amine is a cationic lipid-like PEG compound containing a polar alcohol head group, four hydrophobic tails bound by esters, and a tertiary amine linker. The hydrophilic PEG linker increases the water solubility of the compound in aqueous media. Reagent grade, for research purpose. Please contact us for GMP-grade inquiries.

Product information

CAS No.	Not available
Chemical Name	BP-28079
Formula	C40H79NO6
M.Wt	670.1
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: 670.1 g/mol. Volumes are final solution volumes.

Mass	1 mM	5 mM	10 mM
10 mg	14.923 mL	2.985 mL	1.492 mL
25 mg	37.308 mL	7.462 mL	3.731 mL

Mass	1 mM	5 mM	10 mM
50 mg	74.616 mL	14.923 mL	7.462 mL
100 mg	149.231 mL	29.846 mL	14.923 mL
250 mg	373.079 mL	74.616 mL	37.308 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