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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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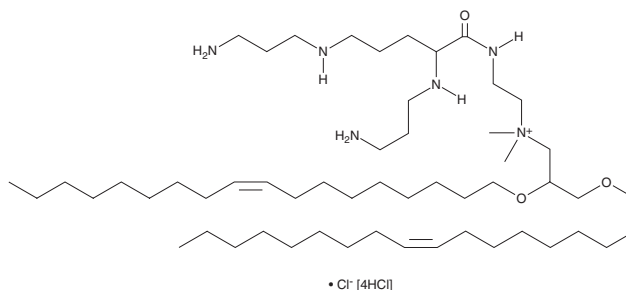
PRODUCT INFORMATION



DOSPA (hydrochloride)

Item No. 38585

CAS Registry No.: 282533-23-7
Formal Name: N-[2-[[2,5-bis[(3-aminopropyl)amino]-1-oxopentyl]amino]ethyl]-N,N-dimethyl-2,3-bis[(9Z)-9-octadecen-1-yloxy]-1-propanaminium, chloride, hydrochloride (1:1:4)
Synonym: 2,3-Dioleyloxy-N-[2-(sperminocarboxamido)ethyl]-N,N-dimethyl-1-propanaminium
MF: C₅₄H₁₁₁N₆O₃ • Cl [4HCl]
FW: 1,073.8
Purity: ≥95%
Supplied as: A solid
Storage: -80°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

DOSPA (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the DOSPA (hydrochloride) in the solvent of choice, which should be purged with an inert gas. DOSPA (hydrochloride) is slightly soluble in chloroform and methanol.

Description

DOSPA is a spermine-containing cationic lipid.¹ It has been used in the formation of liposomes for the delivery of plasmid DNA *in vitro*. Transfection of liposomes containing DOSPA and encapsulating plasmid DNA encoding β-galactosidase (β-gal) increase β-gal activity in NIH3T3 cells.

Reference

1. Hofland, H.E., Shephard, L., and Sullivan, S.M. Formation of stable cationic lipid/DNA complexes for gene transfer. *Proc. Natl. Acad. Sci. USA* **93**(14), 7305-7309 (1996).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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