



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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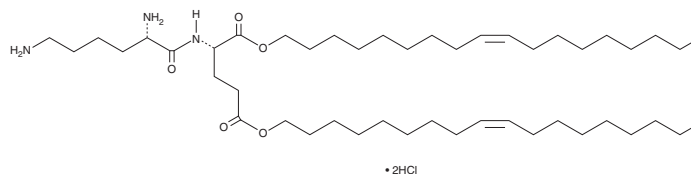
PRODUCT INFORMATION



Lipid OA2 (hydrochloride)

Item No. 37987

Formal Name: di((Z)-octadec-9-en-1-yl) L-lysyl-L-glutamate, dihydrochloride
Synonym: KE-oleyl
MF: C₄₇H₈₉N₃O₅ • 2HCl
FW: 849.1
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years



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

Laboratory Procedures

Lipid OA2 (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the lipid OA2 (hydrochloride) in the solvent of choice, which should be purged with an inert gas. Lipid OA2 (hydrochloride) is soluble in methanol.

Description

Lipid OA2 is an ionizable cationic lipid that has been used in the generation of single-component lipid nanoparticles (LNPs) for the delivery of siRNA.¹ LNPs containing lipid OA2 and siRNA targeting the gene encoding suppressor of cytokine signaling 1 (*Socs1*) decrease *Socs1* expression by approximately 50% in isolated mouse bone marrow dendritic cells (BMDCs). Vaccination with ovalbumin-induced isolated mouse BMDCs transfected with LNPs composed of lipid OA2 and *Socs1*-targeting siRNA increases survival and decreases tumor volume in a B16-OVA murine melanoma model.

Reference

1. Yu, Z., Wu, M., Huang, Y., *et al.* Single-component lipid nanoparticles for engineering SOCS1 gene-silenced dendritic cells to boost tumor immunotherapy. *Biomater. Sci.* **11(1)**, 263-277 (2023).

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.

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