



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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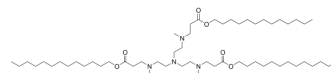
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Tri-N-tridecyl 3-(ethyl(methyl)amino)propanoate

Cat. No.:	HY-153137
CAS No.:	1566559-80-5
Molecular Formula:	C ₅₇ H ₁₁₄ N ₄ O ₆
Molecular Weight:	951.54
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

Ethanol : ≥ 100 mg/mL (105.09 mM)
* " $\geq$ " means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.0509 mL	5.2546 mL	10.5093 mL
	5 mM		0.2102 mL	1.0509 mL	2.1019 mL
	10 mM		0.1051 mL	0.5255 mL	1.0509 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tri-N-tridecyl 3-(ethyl(methyl)amino)propanoate is a biodegradable lipid prepared by the conjugate addition of alkylamines to acrylates. Tri-N-tridecyl 3-(ethyl(methyl)amino)propanoate can be used in various drug delivery systems to deliver polynucleotides, siRNA for example^[1].

REFERENCES

- [1]. Anderson, et al. Amine-containing lipid nanoparticles for delivery of siRNA. World Intellectual Property Organization, WO2014028487 A1. 2014-02-20.
- [2]. Whitehead KA, Dorkin JR, Vegas AJ, et al. Degradable lipid nanoparticles with predictable in vivo siRNA delivery activity. Nat Commun. 2014;5:4277.

Caution: Product has not been fully validated for medical applications. For research use only.

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