



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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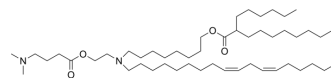
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Lipid 15

Cat. No.:	HY-153378		
CAS No.:	2588111-36-6		
Molecular Formula:	C ₅₀ H ₉₆ N ₂ O ₄		
Molecular Weight:	789.31		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (126.69 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.2669 mL	6.3346 mL	12.6693 mL
		5 mM	0.2534 mL	1.2669 mL	2.5339 mL
10 mM		0.1267 mL	0.6335 mL	1.2669 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.17 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Lipid 15 is an ionizable amino lipid used for the generation of Lipid nanoparticles (LNPs).
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REFERENCES

[1]. Elia U, Ramishetti S, Rosenfeld R, et al. Design of SARS-CoV-2 hFc-Conjugated Receptor-Binding Domain mRNA Vaccine Delivered via Lipid Nanoparticles. ACS Nano.

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

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