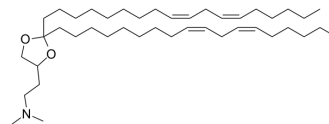


DLin-KC2-DMA

Cat. No.:	HY-112758
CAS No.:	1190197-97-7
Molecular Formula:	C ₄₃ H ₇₉ NO ₂
Molecular Weight:	642.09
Target:	Others
Pathway:	Others
Storage:	-20°C, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 100 mg/mL (155.74 mM; Need ultrasonic)
DMSO : 100 mg/mL (155.74 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.5574 mL	7.7871 mL	15.5741 mL
	5 mM	0.3115 mL	1.5574 mL	3.1148 mL
	10 mM	0.1557 mL	0.7787 mL	1.5574 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (3.89 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DLin-KC2-DMA is a cationic/ionizable lipid for siRNA delivery^[1].

CUSTOMER VALIDATION

- Anal Chem. 2022 Jun 14.

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- bioRxiv. September 30, 2021.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Miller AD, et al. Delivery of RNAi therapeutics: work in progress. Expert Rev Med Devices. 2013 Nov;10(6):781-811.

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

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