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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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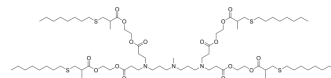
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4A3-SC8

Cat. No.:	HY-148559
CAS No.:	1857340-78-3
Molecular Formula:	C ₇₅ H ₁₃₉ N ₃ O ₁₆ S ₄
Molecular Weight:	1467.18
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : ≥ 100 mg/mL (68.16 mM) Ethanol : ≥ 100 mg/mL (68.16 mM) * "≥" means soluble, but saturation unknown.				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	0.6816 mL	3.4079 mL	6.8158 mL
		5 mM	0.1363 mL	0.6816 mL	1.3632 mL
		10 mM	0.0682 mL	0.3408 mL	0.6816 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (1.70 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	4A3-SC8 is a modular degradable dendrimer that enables small RNAs to extend survival in an aggressive liver cancer model [1].
In Vivo	4A3-SC8 mediates siRNA accumulation mainly in liver and slightly in the spleen and kidneys 24 hours after intravenous injection at dosage of 1 mg siRNA/kg and enables >95% FVII knockdown in mice [1]. After injection with 4A3-SC8 (100 mg/kg with 4 mg/kg control siRNA siCTR; i.v.; once), mice became sick and lost nearly 20% of their weight on the first day postinjection [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Zhou K, et al. Modular degradable dendrimers enable small RNAs to extend survival in an aggressive liver cancer model. Proc Natl Acad Sci U S A. 2016 Jan 19;113(3):520-5.

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

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