



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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

4A3-SC8

Chemical Properties

CAS No. : 1857340-78-3

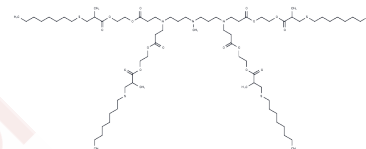
Formula: C75H139N3O16S4

Molecular Weight: 1467.18

Appearance: no data available

Storage: store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	4A3-SC8 is a modular dendritic macromolecule with cationic and lipophilic groups that enables small RNAs to prolong survival in an aggressive hepatocellular carcinoma model and can be used to synthesize lipid nanoparticles.
Targets(IC50)	Liposome
In vitro	4A3-SC8 (100 mg/kg) is a biodegradable dendrimer with low toxicity and high delivery efficiency in mice carrying invasive liver cancer[1].
In vivo	After intravenous injection of 1 mg/kg siRNA, 4A3-SC8 mediated the primary accumulation of siRNA in the liver, with lesser amounts in the spleen and kidneys, and resulted in greater than 95% knockdown of FVII in mice [1]. Following administration of 4A3-SC8 (100 mg/kg with 4 mg/kg control siRNA siCTR; i.v.; once), the mice exhibited illness and a significant weight loss of nearly 20% on the first day post injection [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (54.53 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0136 mL	0.0682 mL	0.1363 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481