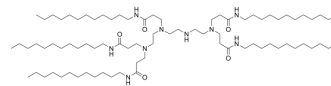


## 98N12-5

Cat. No.:	HY-112772A		
CAS No.:	917572-74-8		
Molecular Formula:	C <sub>81</sub> H <sub>163</sub> N <sub>9</sub> O <sub>5</sub>		
Molecular Weight:	1343.22		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

THF : 50 mg/mL (37.22 mM; Need ultrasonic)

DMSO : 50 mg/mL (37.22 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.7445 mL	3.7224 mL	7.4448 mL
	5 mM	0.1489 mL	0.7445 mL	1.4890 mL
	10 mM	0.0744 mL	0.3722 mL	0.7445 mL

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

### BIOLOGICAL ACTIVITY

#### Description

98N12-5 is a novel multi-tail ionizable lipids that has been used for efficient in vivo siRNA-delivery to the liver.

### REFERENCES

- [1]. Akinc A, Goldberg M, Qin J, et al. Development of lipidoid-siRNA formulations for systemic delivery to the liver. *Mol Ther.* 2009;17(5):872-879.
- [2]. Nguyen DN, Chen SC, Lu J, et al. Drug delivery-mediated control of RNA immunostimulation. *Mol Ther.* 2009;17(9):1555-1562.

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

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