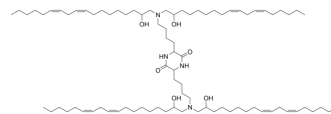


OF-02

Cat. No.:	HY-145795
CAS No.:	1883431-67-1
Molecular Formula:	C ₈₄ H ₁₅₂ N ₄ O ₆
Molecular Weight:	1314.13
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (76.10 mM; ultrasonic and warming and heat to 60°C)																							
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th colspan="3">Mass</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Preparing Stock Solutions</td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td>0.7610 mL</td> <td>3.8048 mL</td> <td>7.6096 mL</td> </tr> <tr> <td>5 mM</td> <td>0.1522 mL</td> <td>0.7610 mL</td> <td>1.5219 mL</td> </tr> <tr> <td>10 mM</td> <td>0.0761 mL</td> <td>0.3805 mL</td> <td>0.7610 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass			1 mg	5 mg	10 mg	Preparing Stock Solutions				1 mM	0.7610 mL	3.8048 mL	7.6096 mL	5 mM	0.1522 mL	0.7610 mL	1.5219 mL	10 mM	0.0761 mL	0.3805 mL	0.7610 mL
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	Please refer to the solubility information to select the appropriate solvent.																							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.90 mM); Clear solution																							

BIOLOGICAL ACTIVITY

Description	OF-02 is an alkenyl amino alcohol (AAA) ionizable lipid for highly potent in vivo mRNA delivery.
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REFERENCES

[1]. Fenton OS, Kauffman KJ, McClellan RL, et al. Bioinspired Alkenyl Amino Alcohol Ionizable Lipid Materials for Highly Potent In Vivo mRNA Delivery. Adv Mater. 2016;28(15):2939-2943.

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

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