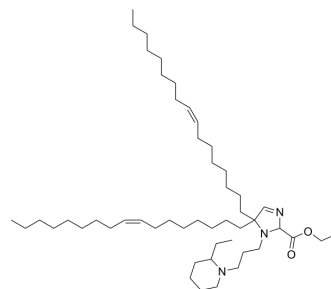


## A18-Iso5-2DC18

<b>Cat. No.:</b>	HY-148488
<b>CAS No.:</b>	2412492-09-0
<b>Molecular Formula:</b>	C <sub>50</sub> H <sub>93</sub> N <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	768.29
<b>Target:</b>	Liposome
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (130.16 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.3016 mL	6.5080 mL	13.0159 mL
		5 mM	0.2603 mL	1.3016 mL	2.6032 mL
10 mM	0.1302 mL	0.6508 mL	1.3016 mL		
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.25 mM); Suspended solution; Need ultrasonic  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.25 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	A18-Iso5-2DC18 (compound A18) is a lipidoid that can facilitate mRNA protein expression and induce a strong immune response mediated <sup>[1]</sup> .
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### REFERENCES

[1]. Miao L, et, al. Ionizable lipidoids and their uses. WO2020047399A1.

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

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