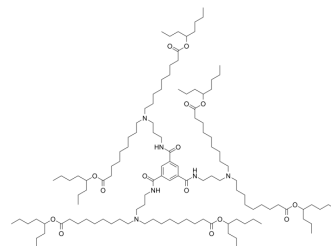


## FTT5

<b>Cat. No.:</b>	HY-145793		
<b>CAS No.:</b>	2328129-27-5		
<b>Molecular Formula:</b>	C <sub>120</sub> H <sub>222</sub> N <sub>6</sub> O <sub>15</sub>		
<b>Molecular Weight:</b>	1989.08		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (25.14 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		0.5027 mL	2.5137 mL	5.0275 mL
<b>5 mM</b>			0.1005 mL	0.5027 mL	1.0055 mL	
	<b>10 mM</b>		0.0503 mL	0.2514 mL	0.5027 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (1.26 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.26 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (1.26 mM); Clear solution</li> </ol>					

## BIOLOGICAL ACTIVITY

<b>Description</b>	FTT5 is a lipid-like compound for efficient delivery of long mRNAs in vivo.
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## REFERENCES

[1]. Zhang X, Zhao W, Nguyen GN, et al. Functionalized lipid-like nanoparticles for in vivo mRNA delivery and base editing. *Sci Adv.* 2020;6(34):eabc2315.

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

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