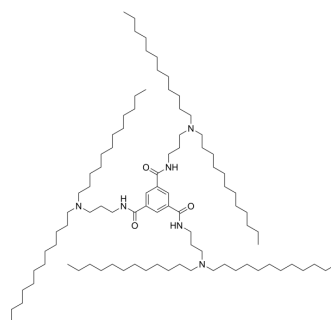


TT3

Cat. No.:	HY-148049		
CAS No.:	1821214-50-9		
Molecular Formula:	C ₉₀ H ₁₇₄ N ₆ O ₃		
Molecular Weight:	1388.38		
Target:	Liposome		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (72.03 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	0.7203 mL	3.6013 mL	7.2026 mL
	5 mM	0.1441 mL	0.7203 mL	1.4405 mL
	10 mM	0.0720 mL	0.3601 mL	0.7203 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.80 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.80 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.80 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	TT3 is an ionizable lipid-like materials for mRNA and CRISPR/Cas9 delivery ^{[1][2]} .
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REFERENCES

[1]. Li B, Luo X, Deng B, et al. An Orthogonal Array Optimization of Lipid-like Nanoparticles for mRNA Delivery in Vivo. Nano Lett. 2015;15(12):8099-8107.

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

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