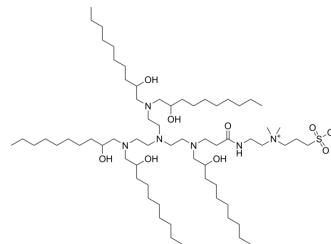


ZA3-Ep10

Cat. No.:	HY-145794
CAS No.:	2090299-48-0
Molecular Formula:	C ₆₆ H ₁₃₈ N ₆ O ₉ S
Molecular Weight:	1191.9
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (83.90 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		0.8390 mL	4.1950 mL	8.3900 mL
	5 mM		0.1678 mL	0.8390 mL	1.6780 mL
	10 mM		0.0839 mL	0.4195 mL	0.8390 mL

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

BIOLOGICAL ACTIVITY

Description

ZA3-Ep10 is a zwitterionic lipid used in lipid nanoparticles formulation for in vivo RNA delivery and non-viral CRISPR/Cas gene editing.

REFERENCES

[1]. Cationic sulfonamide amino lipids and amphiphilic zwitterionic amino lipids. WO2017201076A1

[2]. Melamed JR, Hajj KA, Chaudhary N, et al. Lipid nanoparticle chemistry determines how nucleoside base modifications alter mRNA delivery. J Control Release. 2022;341:206-214.

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

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