

## GL67 pentahydrochloride

**Cat. No.:** HY-149037A

**Molecular Formula:** C<sub>38</sub>H<sub>75</sub>Cl<sub>5</sub>N<sub>4</sub>O<sub>2</sub>

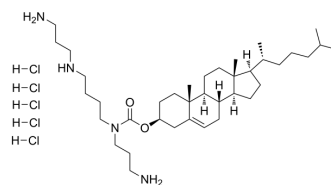
**Molecular Weight:** 797.29

**Target:** Liposome

**Pathway:** Metabolic Enzyme/Protease

**Storage:** -20°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 : 5 mg/mL (6.27 mM); ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.2542 mL	6.2712 mL	12.5425 mL
	5 mM	0.2508 mL	1.2542 mL	2.5085 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

GL67 (N4-Spermine cholesteryl carbamate) (pentahydrochloride) is a cationic lipid. GL67 can be used for nucleic acid agents and vaccines delivery, and gene transfection<sup>[1]</sup>.

### REFERENCES

[1]. Andries O, et al. Comparison of the gene transfer efficiency of mRNA/GL67 and pDNA/GL67 complexes in respiratory cells. Mol Pharm. 2012 Aug 6;9(8):2136-45.

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

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