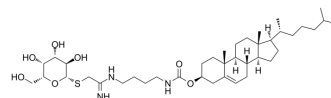


## Gal-C4-Chol

Cat. No.:	HY-112752
CAS No.:	219850-70-1
Molecular Formula:	C <sub>40</sub> H <sub>69</sub> N <sub>3</sub> O <sub>7</sub> S
Molecular Weight:	736.06
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Gal-C4-Chol is a glycosylated cholesterol derivative. Gal-C4-Chol can be used as a ligand for asialoglycoprotein receptors (ASGPR) to prepare Galactosylated (Gal) liposomes. Gal-C4-Chol can be used to prepare simple lipid-based nanoparticles<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Miller AD. Delivery of RNAi therapeutics: work in progress. Expert Rev Med Devices. 2013 Nov;10(6):781-811.
- [2]. Managit C, et al. Effect of galactose density on asialoglycoprotein receptor-mediated uptake of galactosylated liposomes. J Pharm Sci. 2005 Oct;94(10):2266-75.
- [3]. Kawakami S, et al. Biodistribution characteristics of mannosylated, fucosylated, and galactosylated liposomes in mice. Biochim Biophys Acta. 2000 Dec 15;1524(2-3):258-65.

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

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