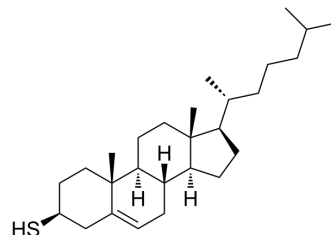


## Thiocholesterol

Cat. No.:	HY-W414069
CAS No.:	1249-81-6
Molecular Formula:	C <sub>27</sub> H <sub>46</sub> S
Molecular Weight:	402.72
Target:	Endogenous Metabolite; Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Thiocholesterol is a member of the class of cholesteric liquid crystals (CLCs) that can be used to synthesis cationic lipid. Thiocholesterol is a stronger stabilizer of silver nanoparticles (SNPs). Thiocholesterol can be used for plasma membrane research and drug delivery<sup>[1][2]</sup>.

### REFERENCES

[1]. Huang Z, et al. Thiocholesterol-based lipids for ordered assembly of bioresponsive gene carriers. *Mol Ther.* 2005 Mar;11(3):409-17.

[2]. Ya. A. Gromova, et al. Adsorption Properties of Hybrid Metal–Mesogenic Silver–Cholesterol and Silver–Thiocholesterol Nanosystems. *PHYSICAL CHEMISTRY OF NANOCCLUSERS AND NANOMATERIALS.* 2019.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA