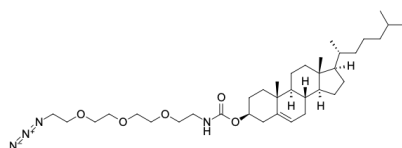


Cholesterol-PEG4-azide

<http://www.lumiprobe.com/p/cholesterol-peg4-azide>

A cholesterol derivative with azide group for click chemistry for attachment of various molecules to lipophilic surfaces, such as micelles membranes. It can also be used to prepare «clickable» micelles.

Conjugation of this reagent with biomolecules can be carried out in mixtures of water with organic co-solvent. When conjugation in an aqueous medium is desired, cholesterol azide should be embedded in the membrane first, and resulting micelles can be carried out.



Structure of Cholesterol-PEG4-azide

General properties

- Appearance: waxy paste
- Molecular weight: 630.91
- CAS number: 1391826-58-6
- Molecular formula: $C_{36}H_{62}N_4O_5$
- IUPAC name: 3-(13-azido-5,8,11-trioxa-2-azatridecanoate) cholesterol
- Solubility: methylene chloride, chloroform, DMF
- Quality control: NMR 1H and HPLC-MS (95+%)
- Storage conditions: 24 months after receipt at $-20^\circ C$ in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate.
- Legal statement: This Product is offered and sold for research purposes only. It has not been tested for safety and efficacy in food, drug, medical device, cosmetic, commercial or any other use. Supply does not express or imply authorization to use for any other purpose, including, without limitation, in vitro diagnostic purposes, in the manufacture of food or pharmaceutical products, in medical devices or in cosmetic products.