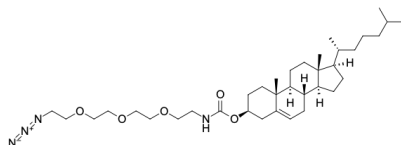


Cholesterol-PEG4-azide

<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.

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