

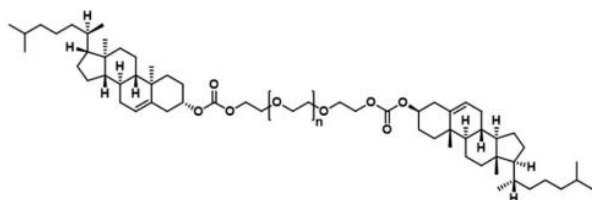
Sample Name:

Poly(ethylene oxide), α,ω -bis(cholesterol)-terminated

PEO end-capped with cholesterol flower-like micelles architecture

Sample #: **P43495-EO-2Chol**

Structure:

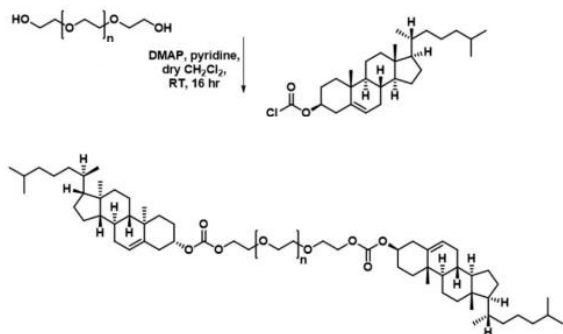


Composition:

$M_n \times 10^3$	PDI
5.2	1.08

Synthesis Procedure:

The following reaction scheme shows how the product was prepared:

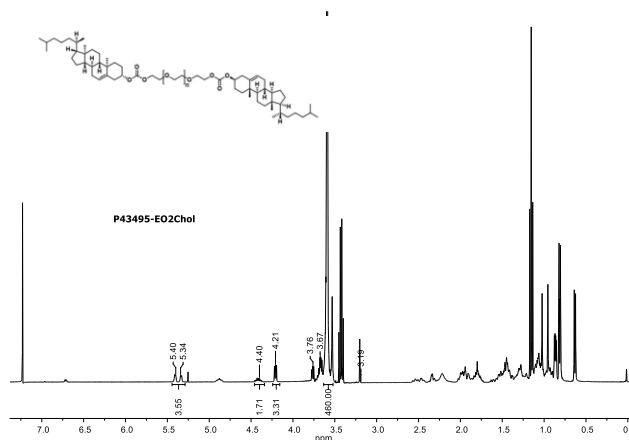


Characterization:

The product was characterized by size exclusion chromatography (SEC) and 1H NMR data analysis.

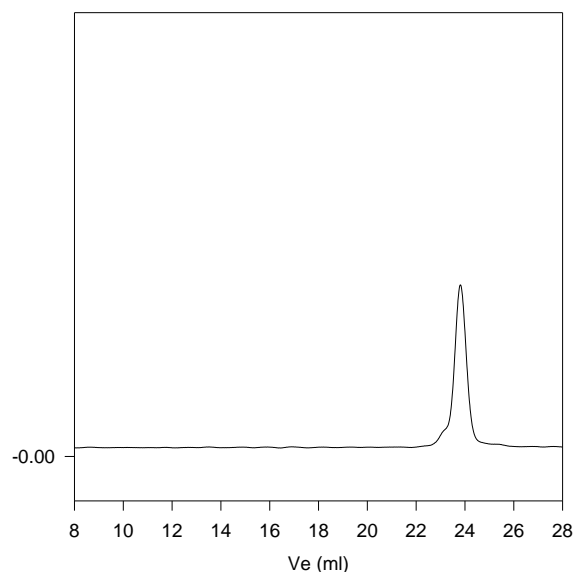
The molecular weight and polydispersity index of this polymer were determined by size exclusion chromatography (SEC) using a Varian liquid chromatograph equipped with a UV and refractive index detector.

1H NMR spectrum of the polymer:



SEC profile of the Sample:

P43495-EO2Chol



Size Exclusion Chromatography of Polyethylene glycol methyl ether

$M_n=5200$, $M_w=5800$, $PI=1.08$