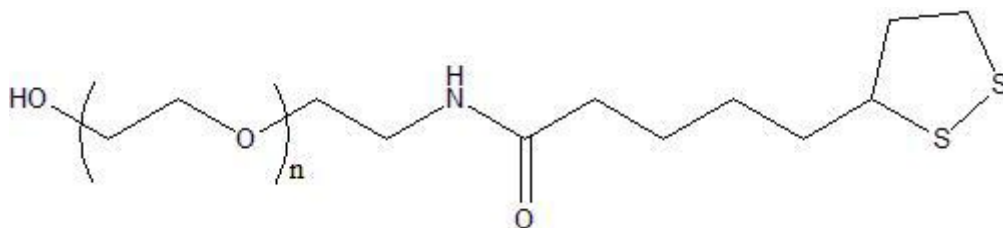


Certificate of Analysis

General properties:

Product Name: HO-PEG-LA
Molecular Weight: PEG MW:750/1000/2000/3400/5000 Dalton
Catalog Number: R-8878
Lot Number: RA0762597

Product Structure:



Product Specifications:

| Items | Specification | Results |
|---------------------------|--------------------------------|--------------------------------|
| Appearance | Solid powder or viscous liquid | Solid powder or viscous liquid |
| ¹ H NMR | Identical to the structure | Identical to the structure |
| Substitution of HO by NMR | >90% | >90% |
| Substitution of LA by NMR | >90% | >90% |

Date of Analysis: 2017.09.27

Recommended Retest date: 2018.09.27

Recommended Storage: -20°C

Stability: 1 year

This product is for research use only, Not for human or animal use