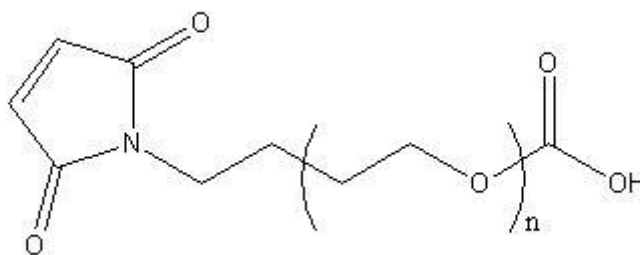


Certificate of Analysis

General properties:

Product Name: MAL-PEG-COOH
 Molecular Weight: PEG MW:750/1000/2000/3400/5000 Dalton
 Catalog Number: R-1203
 Lot Number: RO162518

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	White/Off-white solid or viscous liquid	White/Off-white solid or viscous liquid
¹ H NMR	Identical to the structure	Identical to the structure
Substitution of COOH by NMR	>90%	>90%
Substitution of MAL by NMR	>90%	>90%

Date of Analysis: 2017.09.27

Recommended Retest date: 2018.09.26

Recommended Storage: -20°C

Stability: 1 year

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

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