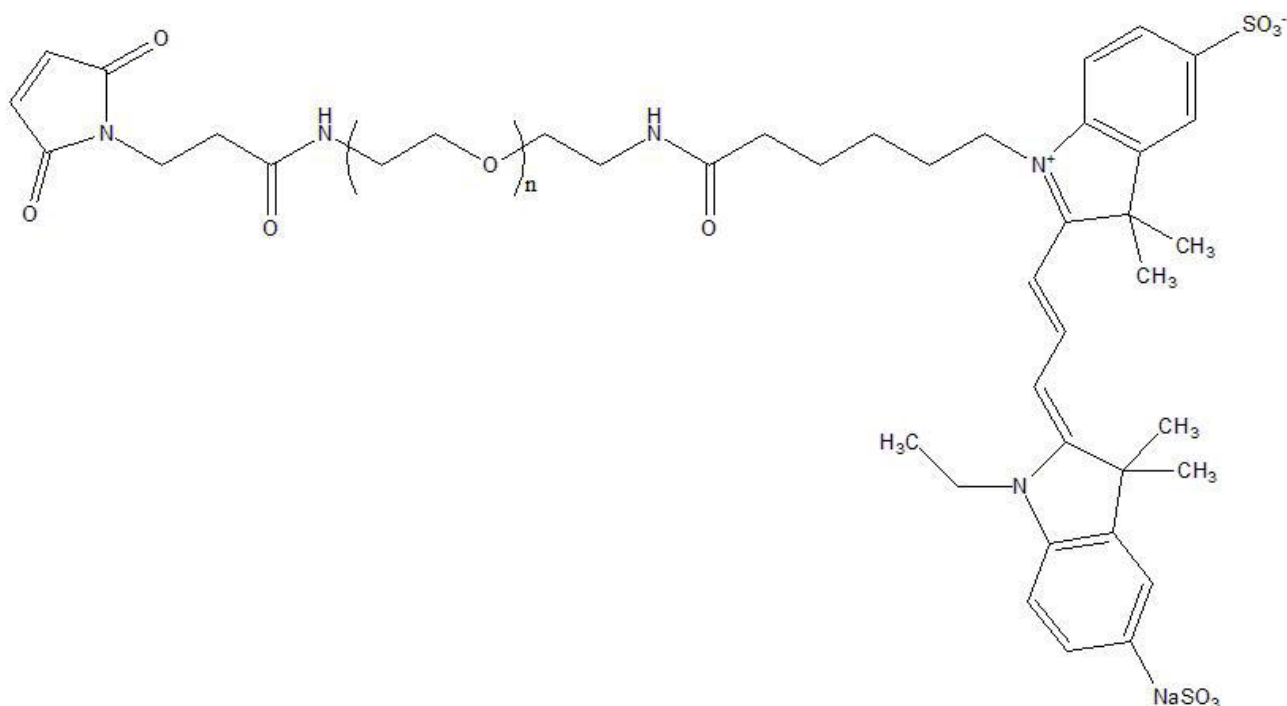


## Certificate of Analysis

### General properties:

Product Name: Sulfo-CY3-PEG-MAL  
Molecular Weight: PEG MW:750/1000/2000/3400/5000 Dalton  
Catalog Number: R-2212  
Lot Number: RA071313

### Product Structure:



**Product Specifications:**

Items	Specification	Results
Appearance	Dark red solid or viscous liquid	Dark red solid or viscous liquid
<sup>1</sup> H NMR	Identical to the structure	Identical to the structure
Substitution of Sulfo-CY3 by NMR	>90%	>90%
Substitution of MAL by NMR	>90%	>90%
Ex/Em	550nm-570nm	550nm-570nm

Date of Analysis: 2017.09.26

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**