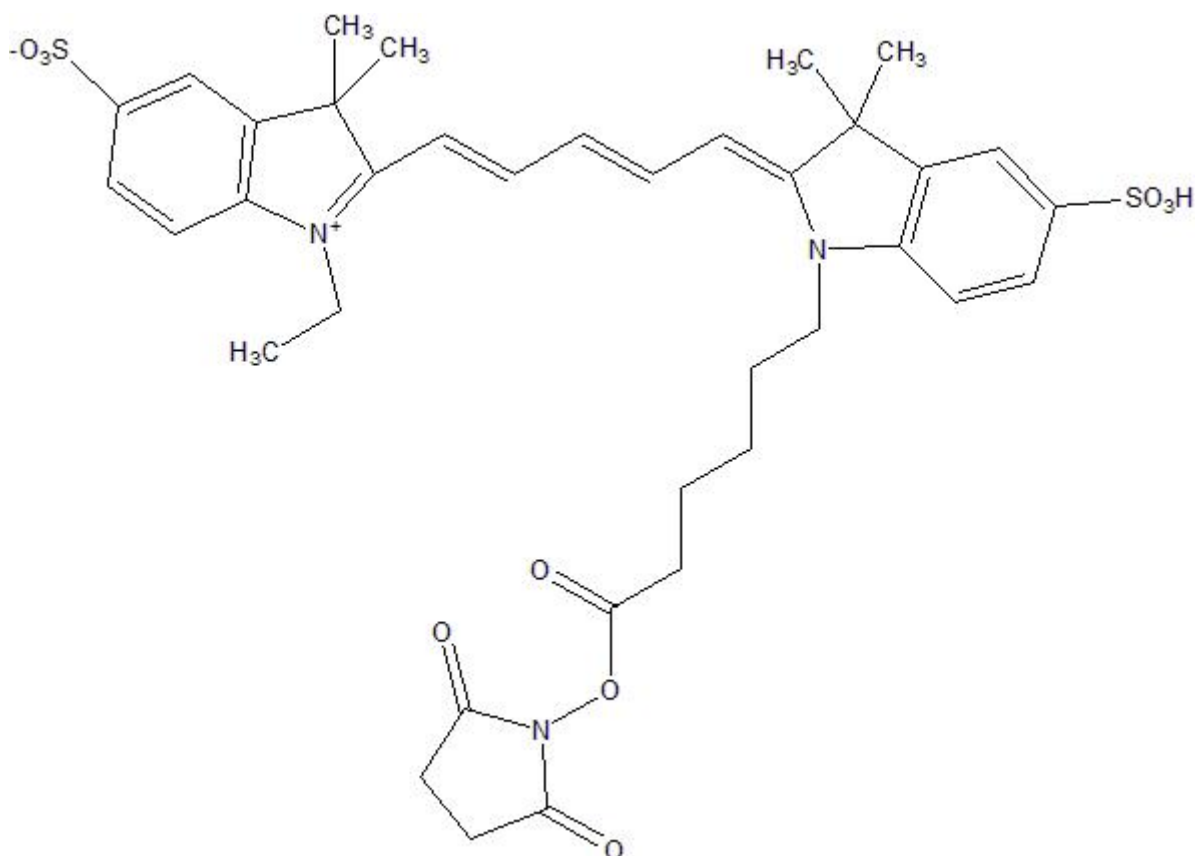


## Certificate of Analysis

### General properties:

Product Name: Sulfo Cyanine5 NHS ester  
CAS Number: 146368-14-1  
Molecular Weight: 753.2 Dalton  
Catalog Number: R-H-5029  
Lot Number: RA0178302

### Product Structure:





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**Product Specifications:**

Items	Specification	Results
Appearance	Dark blue powder	Dark blue powder
<sup>1</sup> H NMR	Identical to the structure	Identical to the structure
Purity by HPLC	>95%	>95%
Ex/Em	646nm-660nm	646nm-660nm

Date of Analysis: 2017.08.23

Recommended Retest date: 2018.08.23

Recommended Storage: -20°C, protected from light and moisture

Stability: 1 years

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