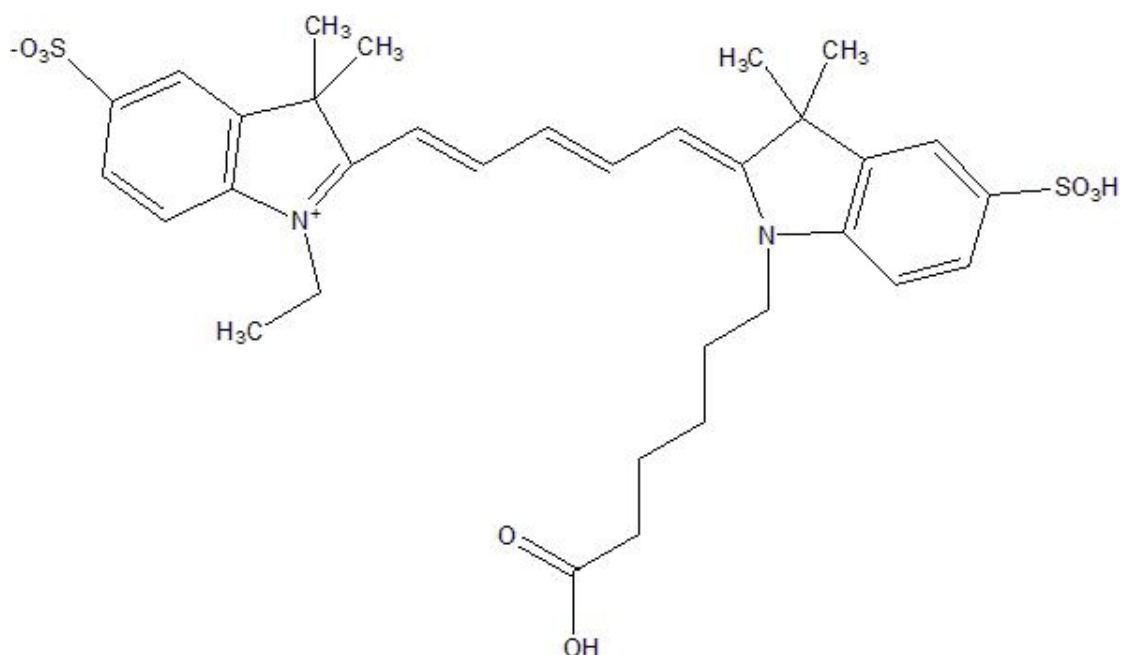


Certificate of Analysis

General properties:

Product Name: Sulfo Cyanine5 Carboxylic acid
 CAS Number: 146368-11-8
 Molecular Weight: 656.81 Dalton
 Catalog Number: R-H-3021
 Lot Number: RA0178310

Product Structure:



Product Specifications:

Items	Specification	Results
Appearance	Dark blue powder	Dark blue powder
¹ H NMR	Identical to the structure	Identical to the structure
Purity by HPLC	>95%	>95%
Ex/Em	646nm-662nm	646nm-662nm



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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