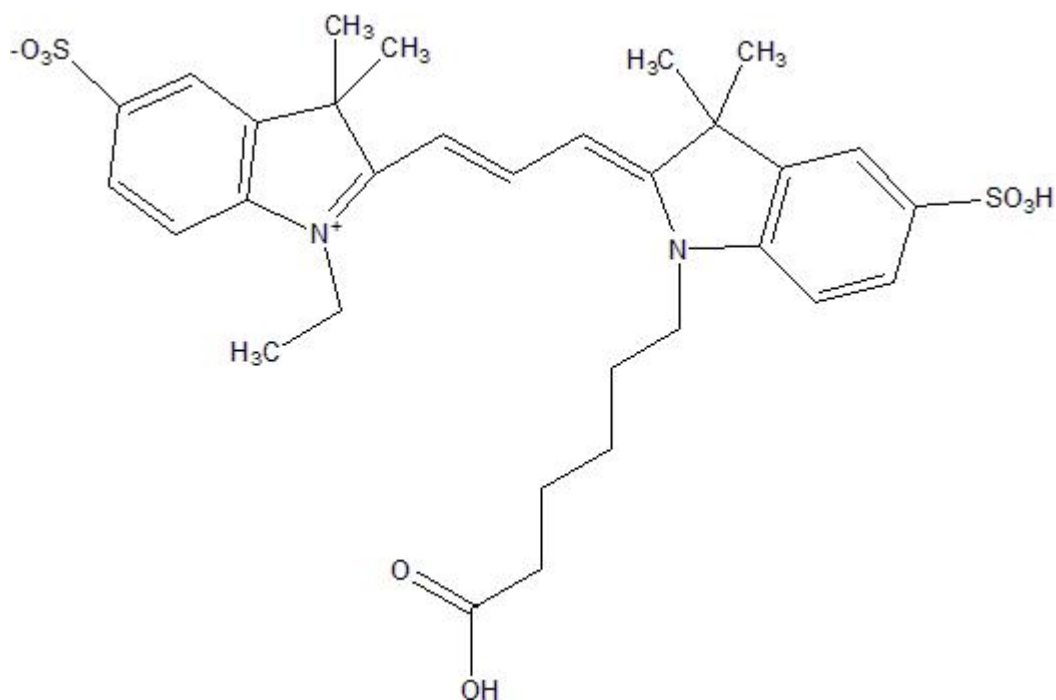


Certificate of Analysis

General properties:

Product Name: Sulfo Cyanine3 Carboxylic acid
CAS Number: 146368-13-0
Molecular Weight: 630.77 Dalton
Catalog Number: R-H-3020
Lot Number: RA0178131

Product Structure:





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Product Specifications:

Items	Specification	Results
Appearance	Dark red powder	Dark red powder
¹ H NMR	Identical to the structure	Identical to the structure
Purity by HPLC	>95%	>95%
Ex/Em	548nm-560nm	548nm-560nm

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