

Certificate of Analysis

General properties:

Name: Sulfo-Cyanine5 carboxylic acid,(CAS:146368-11-8)

Molecular Weight: 656.81 Dalton

Chemical Formula: C₃₃H₄₀N₂O₈S₂

Cat.#: R-H-3021

Lot.#: R584541

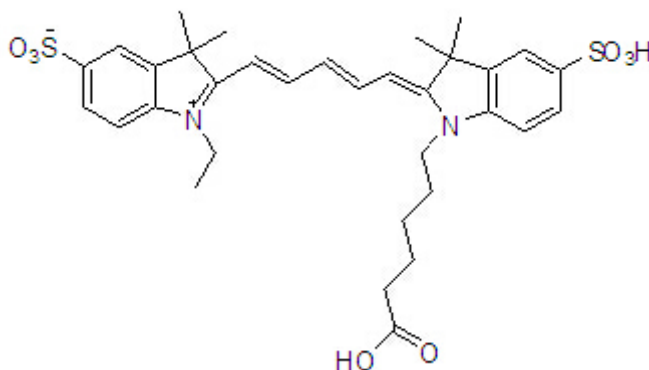
Date of Analysis: 2016.11.24

Recommended Retest date: 2017.11.24

Stability: 12 months

Storage: -20°C in the dark

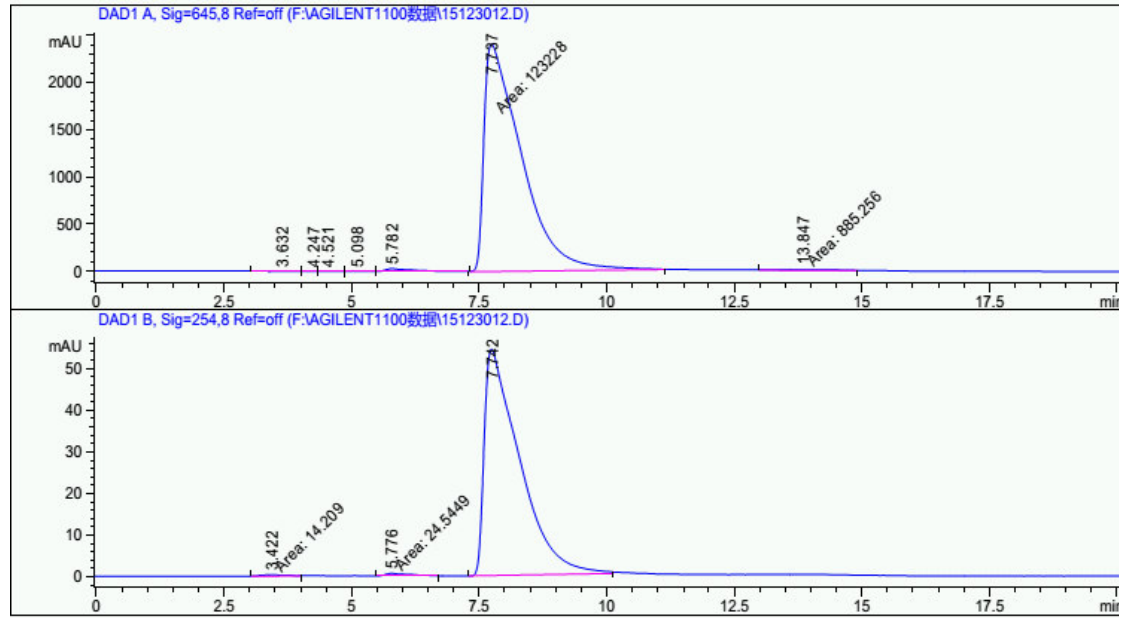
Structure



Items	Specification	Results
Appearance	Light Blue solid	Light Blue solid
¹ H NMR	Identical to the structure	Identical to the structure
Foreign Material	None	None
Purity by HPLC	>95%	97.4%

Report Date: 2016.09.12

Attachment 1: HPLC



Area Percent Report

Sorted By : Signal
Area Calculation Mode : Measured Area
Multiplier : 1.0000
Dilution : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 A, Sig=645,8 Ref=off

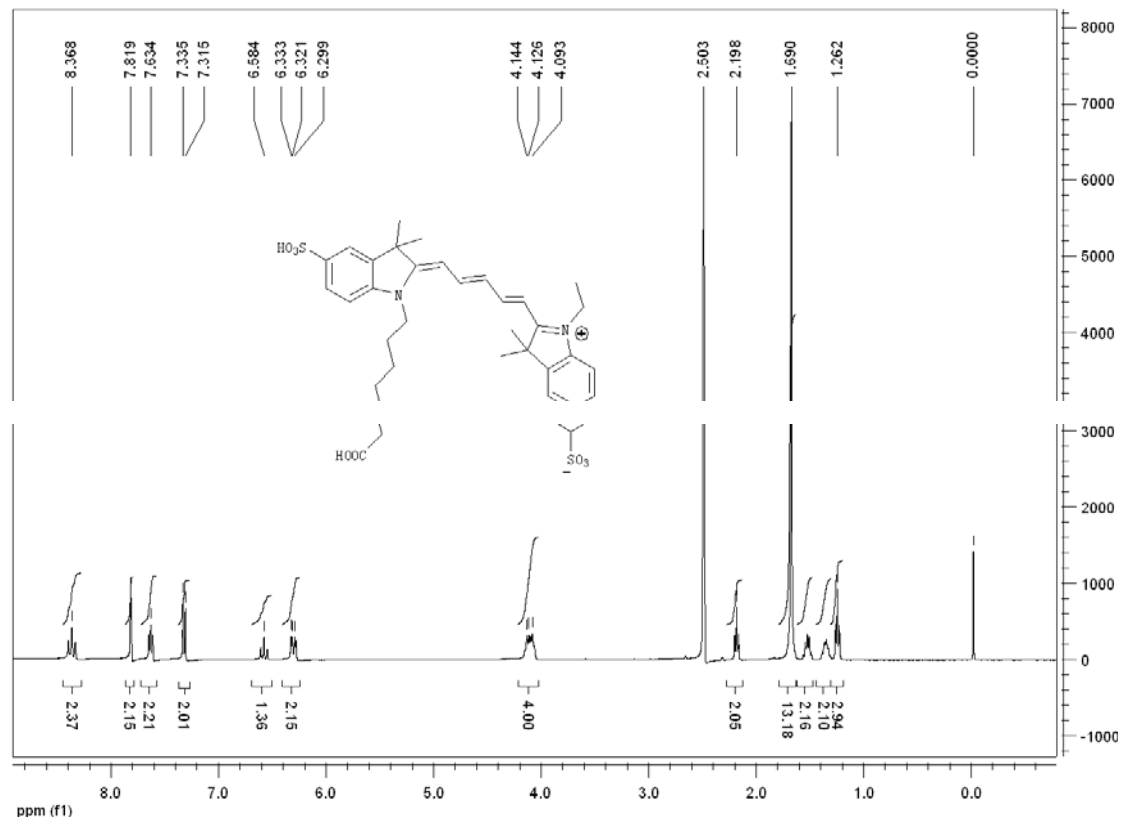
Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.632	BV	0.4422	26.32196	7.00822e-1	0.0210
2	4.247	VV	0.2067	15.22840	9.83340e-1	0.0121
3	4.521	VV	0.3264	32.34951	1.29077	0.0258
4	5.098	VV	0.3490	68.54330	2.65683	0.0547
5	5.782	VV	0.5161	1117.55017	28.83658	0.8914
6	7.737	MM	0.8522	1.23228e5	2410.02832	98.2889
7	13.847	MM	1.6424	885.25623	8.98321	0.7061
Totals :				1.25373e5	2453.47987	

ata file F:\AGILENT1100数据\15123012.D
Sample Name: OK15K029-Cy5-1

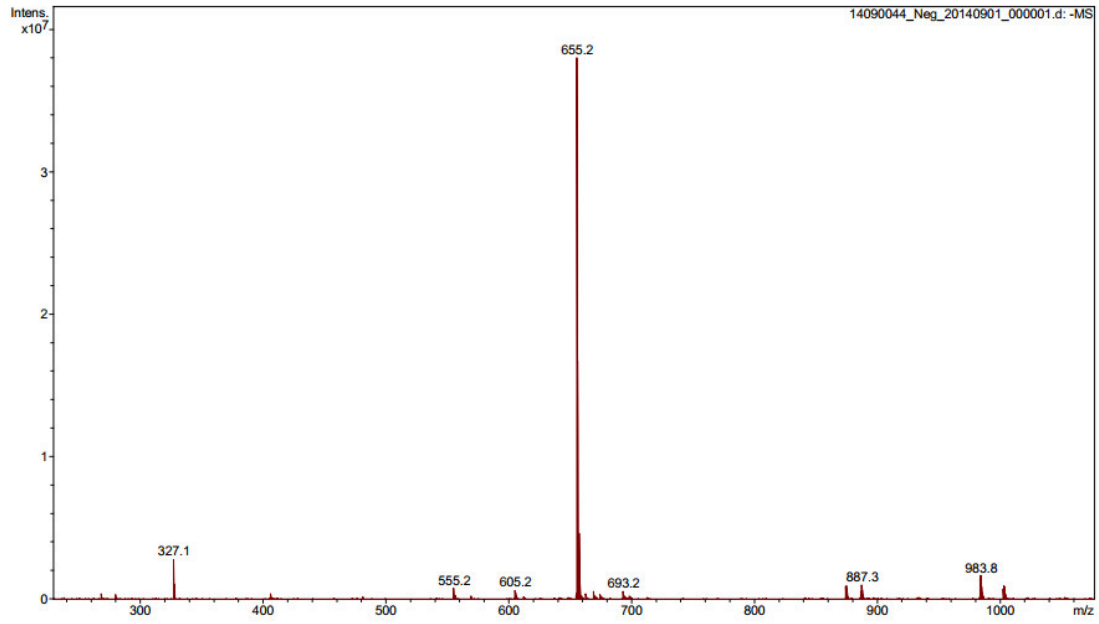
Signal 2: DAD1 B, Sig=254,8 Ref=off

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	3.422	MM	0.6536	14.20896	3.62303e-1	0.5341
2	5.776	MM	0.6118	24.54495	6.68612e-1	0.9225
3	7.742	BB	0.6466	2621.82935	54.36791	98.5434
Totals :				2660.58326	55.39883	

Attachment 2: ¹H NMR(d6-DMSO)



化合物 P(R)质谱图



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