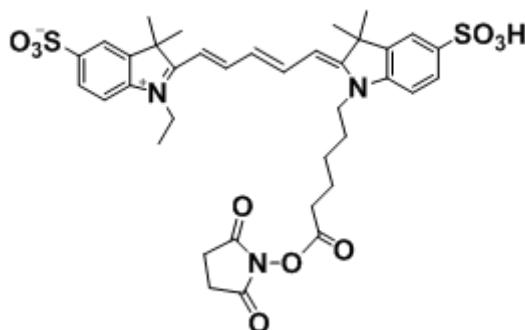


Certificate of Analysis

General properties:

Name: Sulfo Cyanine5 NHS ester
Molecular Weight: 753.88Dalton
Cat.#: R-H-5029
Lot.#: R017SFM3
Date of Analysis: 2017.03.07
Recommended Retest date: 2018.03.07
Stability: 12 months
Storage: -20°C in the dark

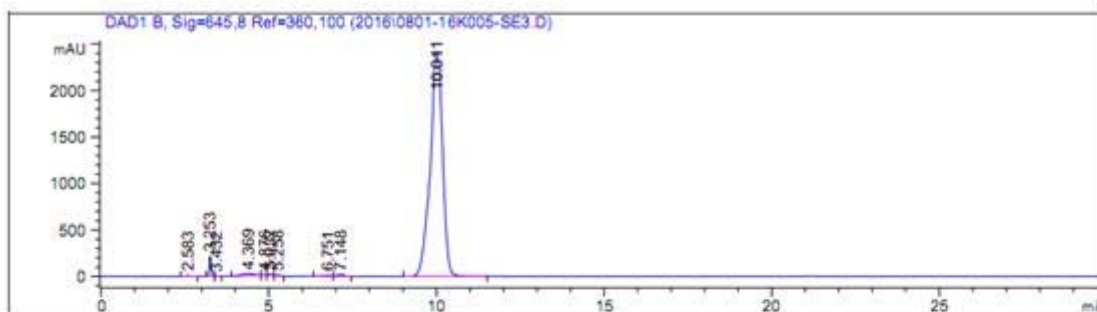
Structure



Items	Specification	Results
Appearance	Blue solid	Blue solid
¹ H NMR	Identical to the structure	Identical to the structure
Foreign Material	None	None
Purity by HPLC	>95%	96.5%

Report Date: 2017.03.05

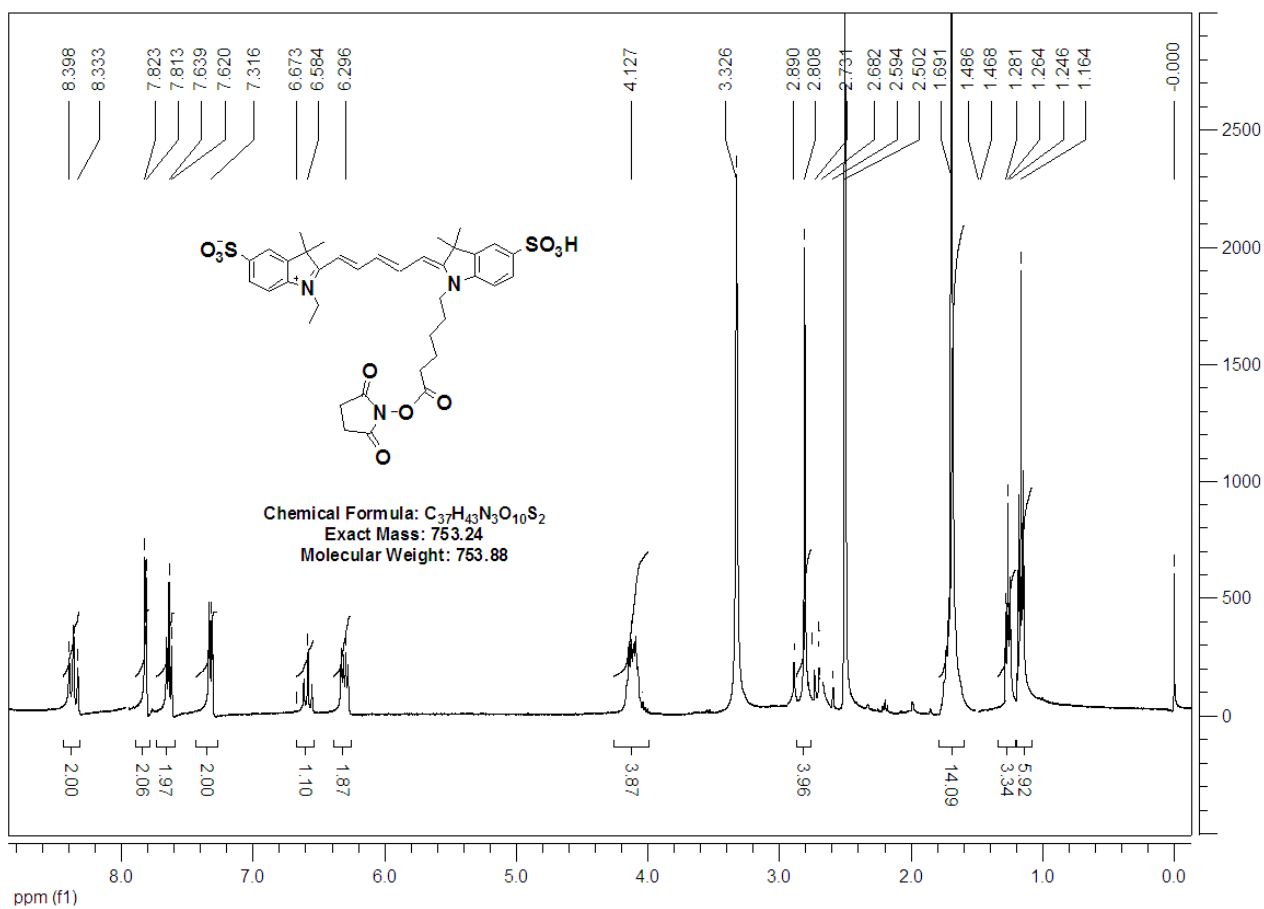
Attachment 1: HPLC



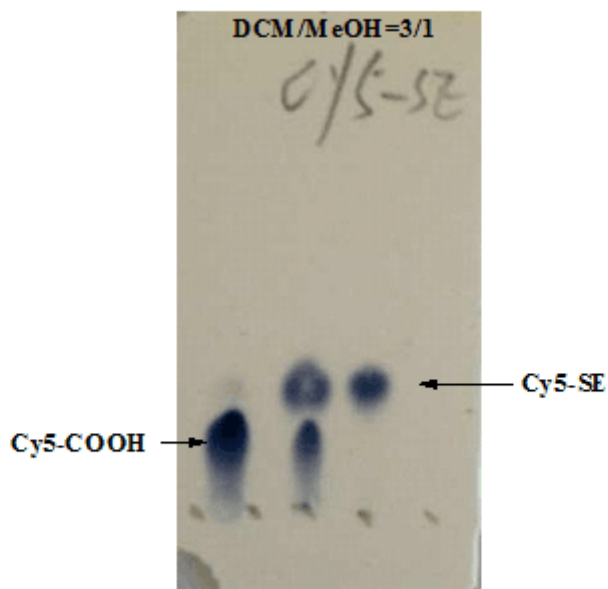
信号 2: DAD1 B, Sig=645,8 Ref=360,100

峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	2.583	BB	0.0875	47.80396	8.02442	0.0747
2	3.253	BV	0.0614	840.64941	215.86777	1.3144
3	3.432	VB	0.0830	9.84319	1.76747	0.0154
4	4.369	BB	0.4655	578.92700	21.54534	0.9052
5	4.876	BV	0.0997	42.68243	6.58216	0.0667
6	5.037	VV	0.1267	136.36539	16.12356	0.2132
7	5.258	VB	0.1380	105.73301	11.86177	0.1653
8	6.751	BV	0.2987	167.50844	8.05093	0.2619
9	7.148	VB	0.2021	285.50888	21.07173	0.4464
10	10.011	BB	0.3822	6.17434e4	2415.35718	96.5368
总量 :				6.39584e4	2726.25232	

Attachment 2: $^1\text{H-NMR}$ (400MHz, $\text{d}^6\text{-DMSO}$)

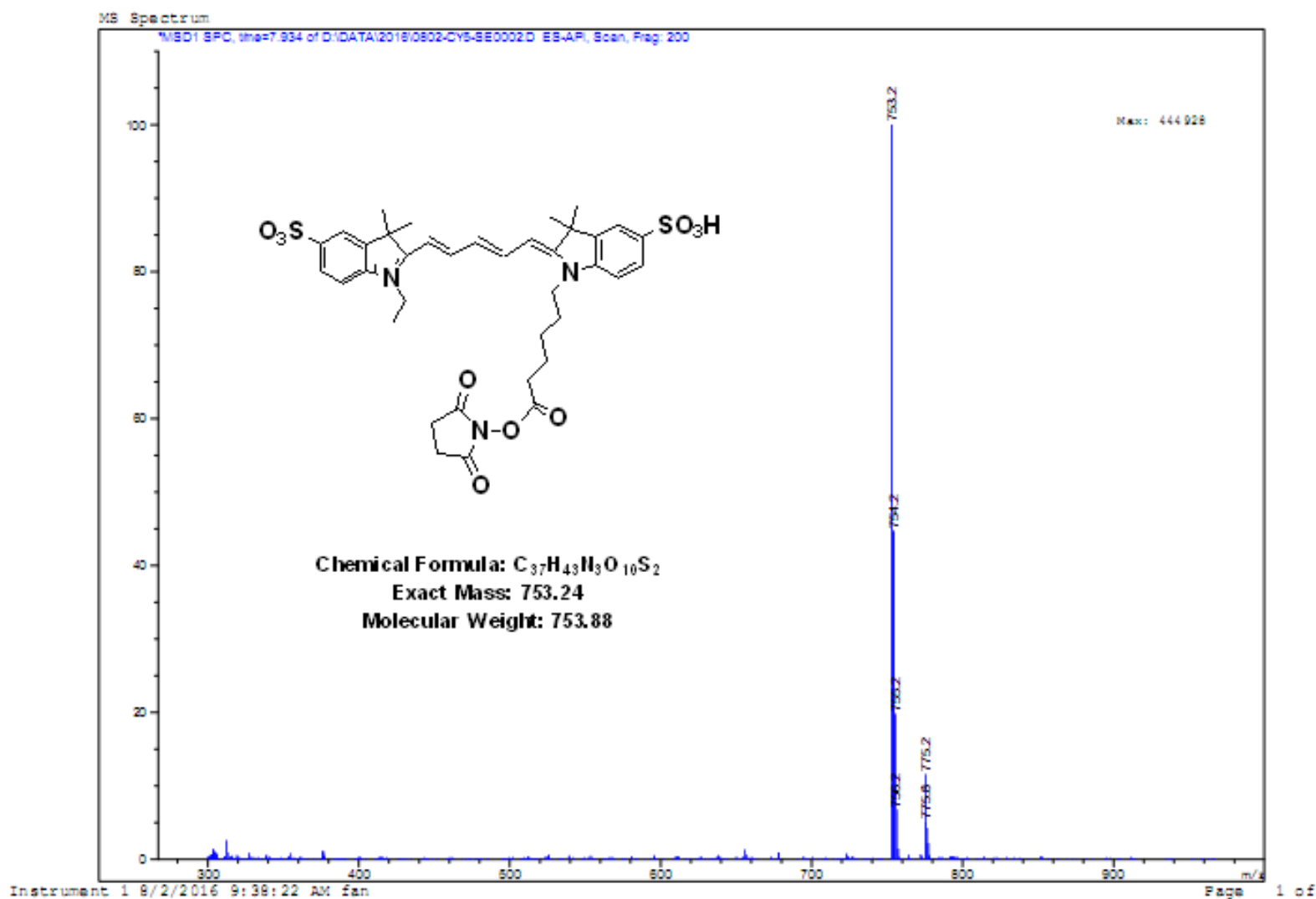


Attachment 3: TLC



Attachment 4: MS-ESI

Print of window 80: MS Spectrum



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

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