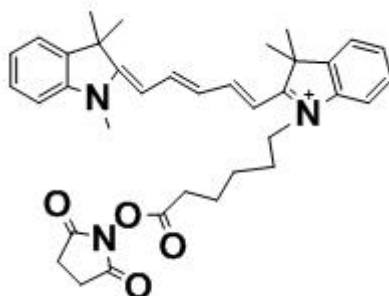


Certificate of Analysis

General properties:

Name: Cyanine5 NHS ester
Molecular Weight: 580.75 Dalton
Cat.#: R-H-5101
Lot.#: RM017171
Date of Analysis: 2017.03.15
Recommended Retest date: 2018.03.15
Stability: 12 months
Storage: -20°C in the dark

Structure



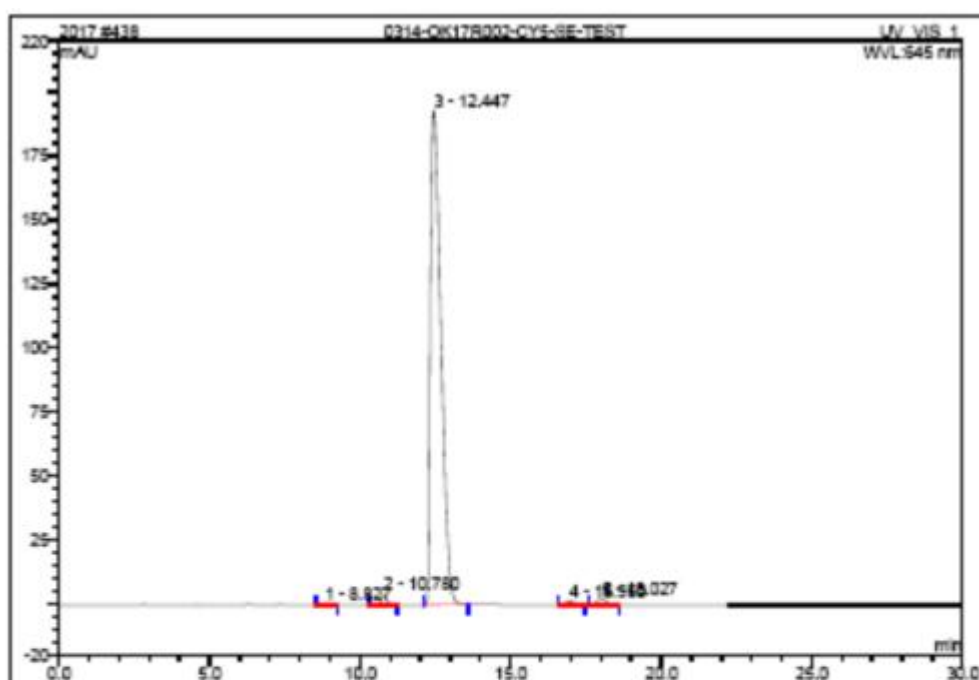
Items	Specification	Results
Appearance	Blue solid	Blue solid
¹ H NMR	Identical to the structure	Identical to the structure
Foreign Material	None	None
Purity by HPLC	>90%	95%

Report Date: 2017.03.15

Attachment 1: HPLC

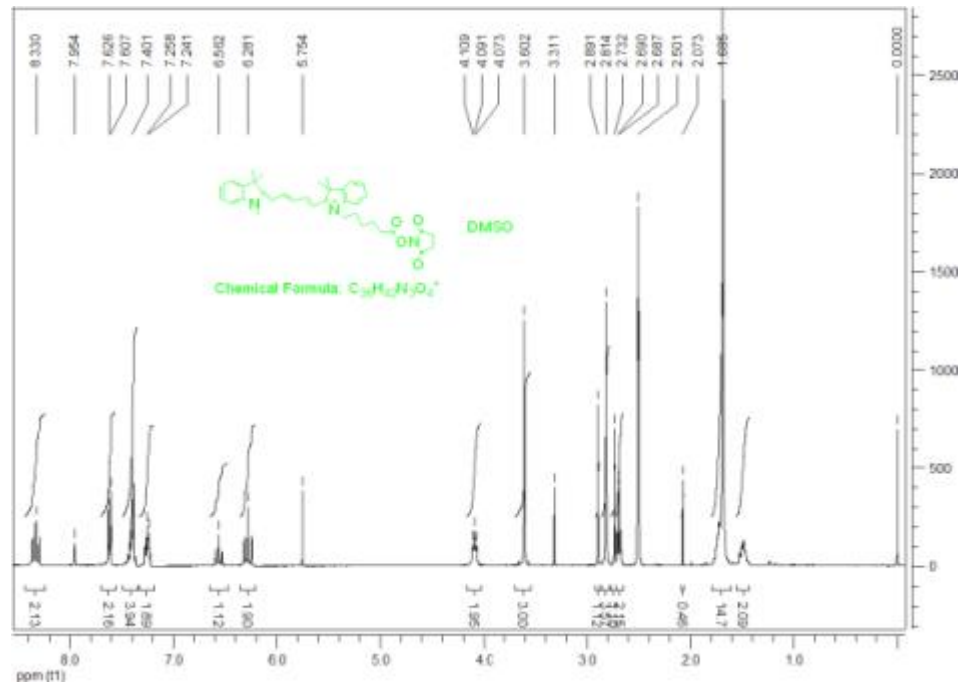
Operator:Administrator Timebase:HPLC Sequence:2017

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2017-3-15 1:50 下午



No.	Ret. Time min	Peak Name	Height mAU	Area mAU*min	Rel. Area %	Amount	Type
1	8.83	n.a.	0.541	0.150	0.19	n.a.	BMB
2	10.78	n.a.	4.029	0.921	1.15	n.a.	BMB
3	12.45	n.a.	193.519	77.797	96.87	n.a.	BMB
4	16.96	n.a.	1.578	0.551	0.69	n.a.	BMB
5	18.03	n.a.	2.480	0.895	1.11	n.a.	BMB
Total:			202.147	80.315	100.00	0.000	

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



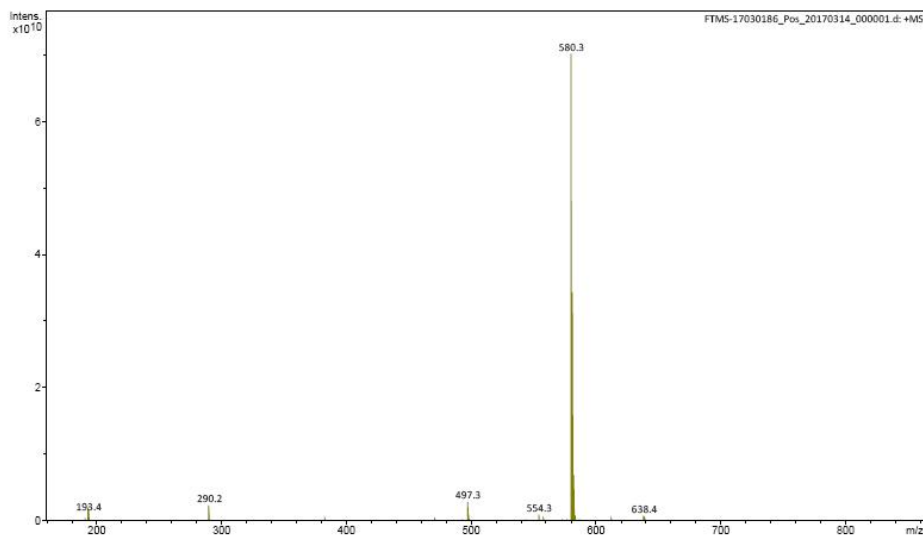
Attachment 3: MS-ESI+

Peking University Mass Spectrometry Analysis Report

Analysis Info

Analysis Name FTMS-17030186_Pos_20170314_000001.d
Sample MS17-15
Comment

Acquisition Date 3/14/2017 2:51:59 PM
Instrument Bruker Solarix XR FTMS
Operator Peking University



Bruker Compass DataAnalysis 4.4

printed: 3/14/2017 2:52:23 PM

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