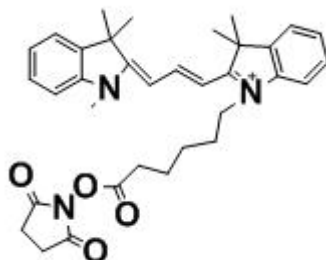


Certificate of Analysis

General properties:

Name: Cyanine3 NHS ester
Molecular Weight: 554.7 Dalton
Cat.#: R-H-6551
Lot.#: RM017172
Date of Analysis: 2017.03.15
Recommended Retest date: 2018.03.15
Stability: 12 months
Storage: -20°C in the dark

Structure



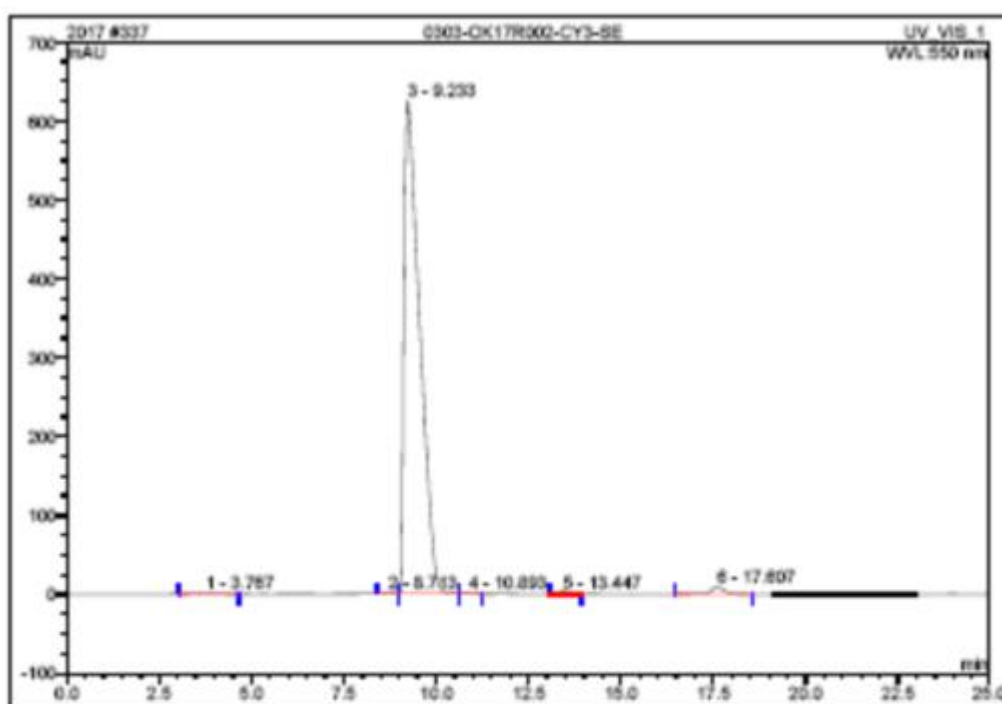
Items	Specification	Results
Appearance	Red solid	Red solid
¹ H NMR	Identical to the structure	Identical to the structure
Foreign Material	None	None
Purity by HPLC	>90%	95%

Report Date: 2017.03.15

Attachment 1: HPLC

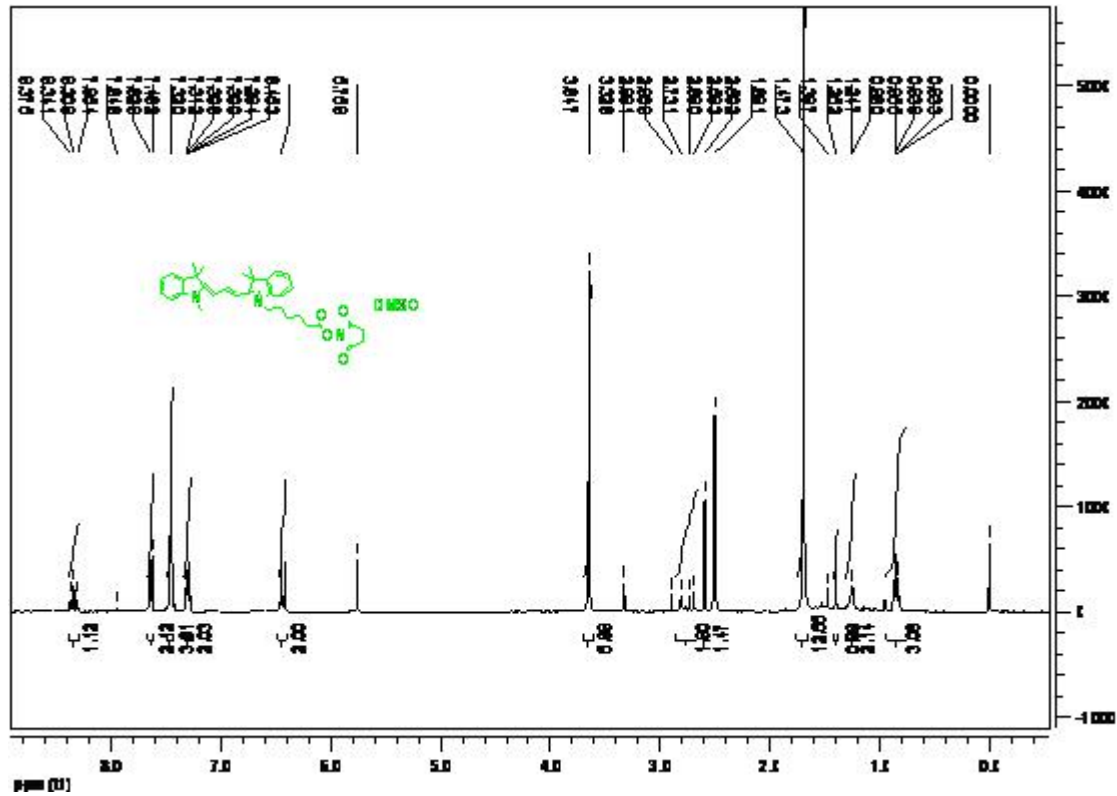
Operator:Administrator Timebase:HPLC Sequence:2017

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No.	Ret.Time min	Peak Name	Height mAU	Area mAU*min	Rel.Area %	Amount	Type
1	3.77	n.a.	1.257	0.925	0.29	n.a.	BMB
2	8.71	n.a.	0.749	0.163	0.05	n.a.	SM
3	9.23	n.a.	623.934	306.961	97.83	n.a.	M
4	10.89	n.a.	1.979	0.606	0.19	n.a.	MB
5	13.45	n.a.	4.111	1.230	0.39	n.a.	BMB
6	17.61	n.a.	8.745	3.879	1.24	n.a.	RMB
Total:			640.775	313.764	100.00	0.000	

Attachment 2: ^1H -NMR (400MHz, d^6 -DMSO)



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