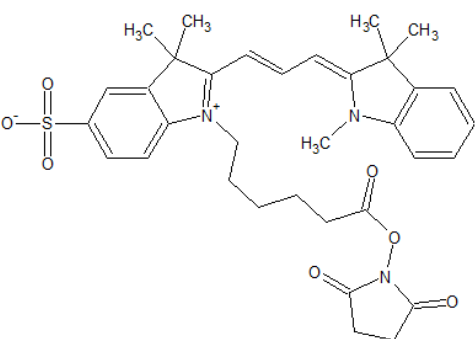




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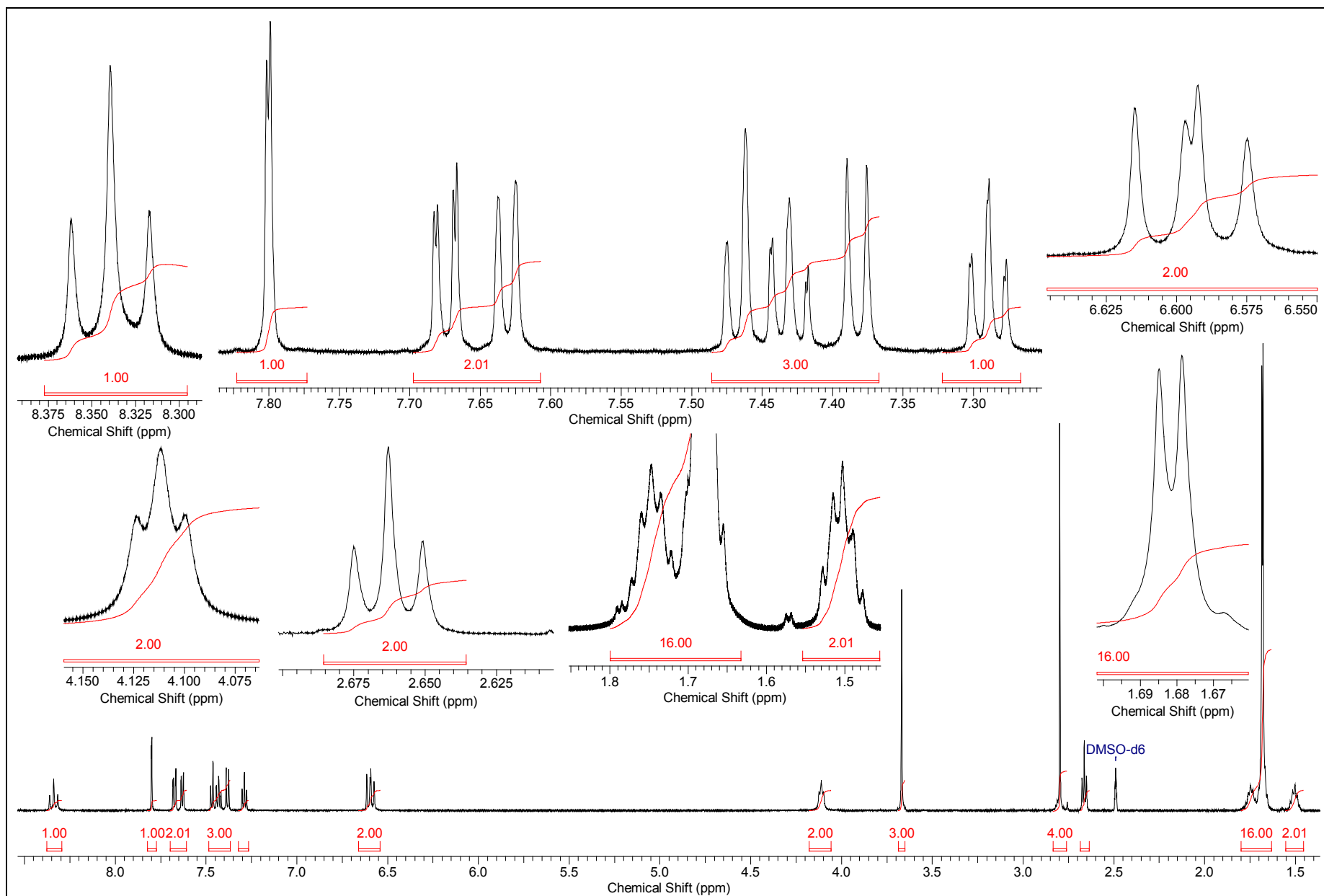
## CERTIFICATE OF ANALYSIS

Date 02/22/2013

<b>Product name:</b>	monoSulfo - Cy3 NHS Ester	<b>cat. no.</b>	Lot 10008, Lot 20008, Lot 30008, Lot 40008
<b>Structure</b>	 <p>The chemical structure shows a Cy3 dye core consisting of two indole rings connected by a trimethine chain. The left indole ring has a sulfonate group (-SO<sub>3</sub><sup>-</sup>) at the 4-position. The right indole ring has a methyl group (-CH<sub>3</sub>) at the 3-position. A long alkyl chain is attached to the nitrogen of the right indole ring, ending in an NHS ester group (N-hydroxysuccinimide).</p>		
<b>FW</b>			<b>633.76</b>
<b>Appearance</b>			purple solid
<b>Purity</b>			95+%

### QUALITY CONTROL

<b><sup>1</sup>H NMR</b>	95+%	Analytical Data page 1
<b>TLC</b>	pass	major spot in 20% MeOH in CHCl <sub>3</sub>
<b>Functional testing</b>	pass	reaction with 6-aminohexanol controlled by TLC



<sup>1</sup>H NMR (DMSO-*d*<sub>6</sub>, 600 MHz)