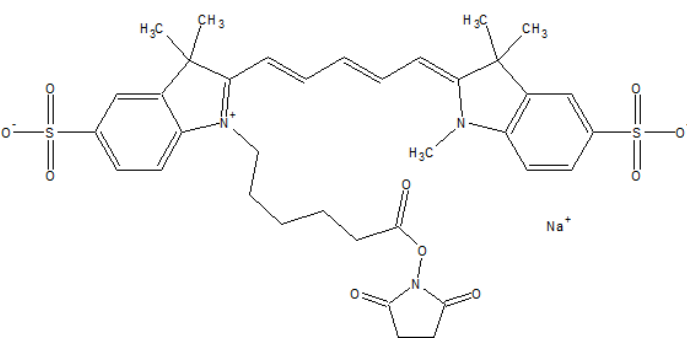




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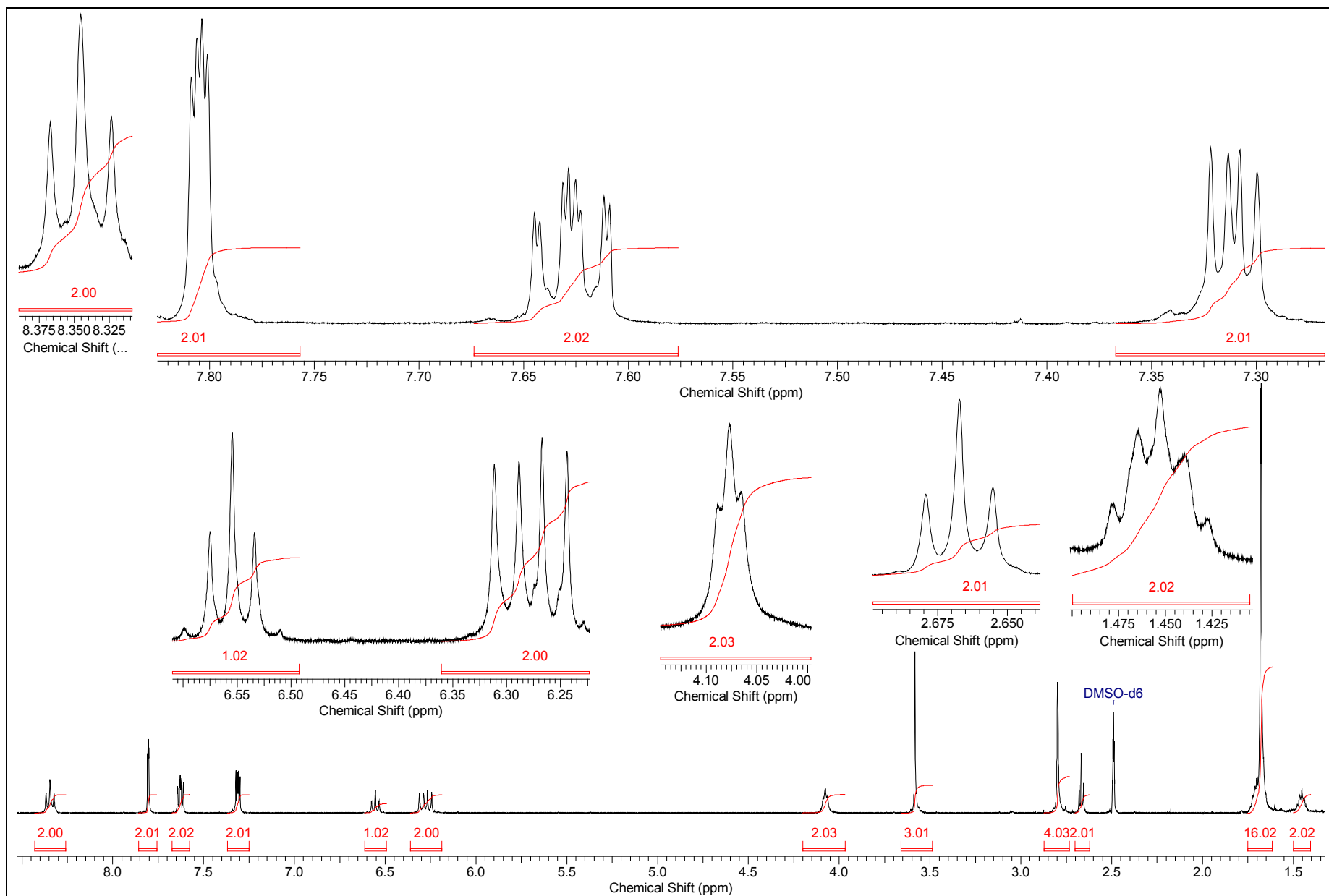
## CERTIFICATE OF ANALYSIS

Date 02/23/2013

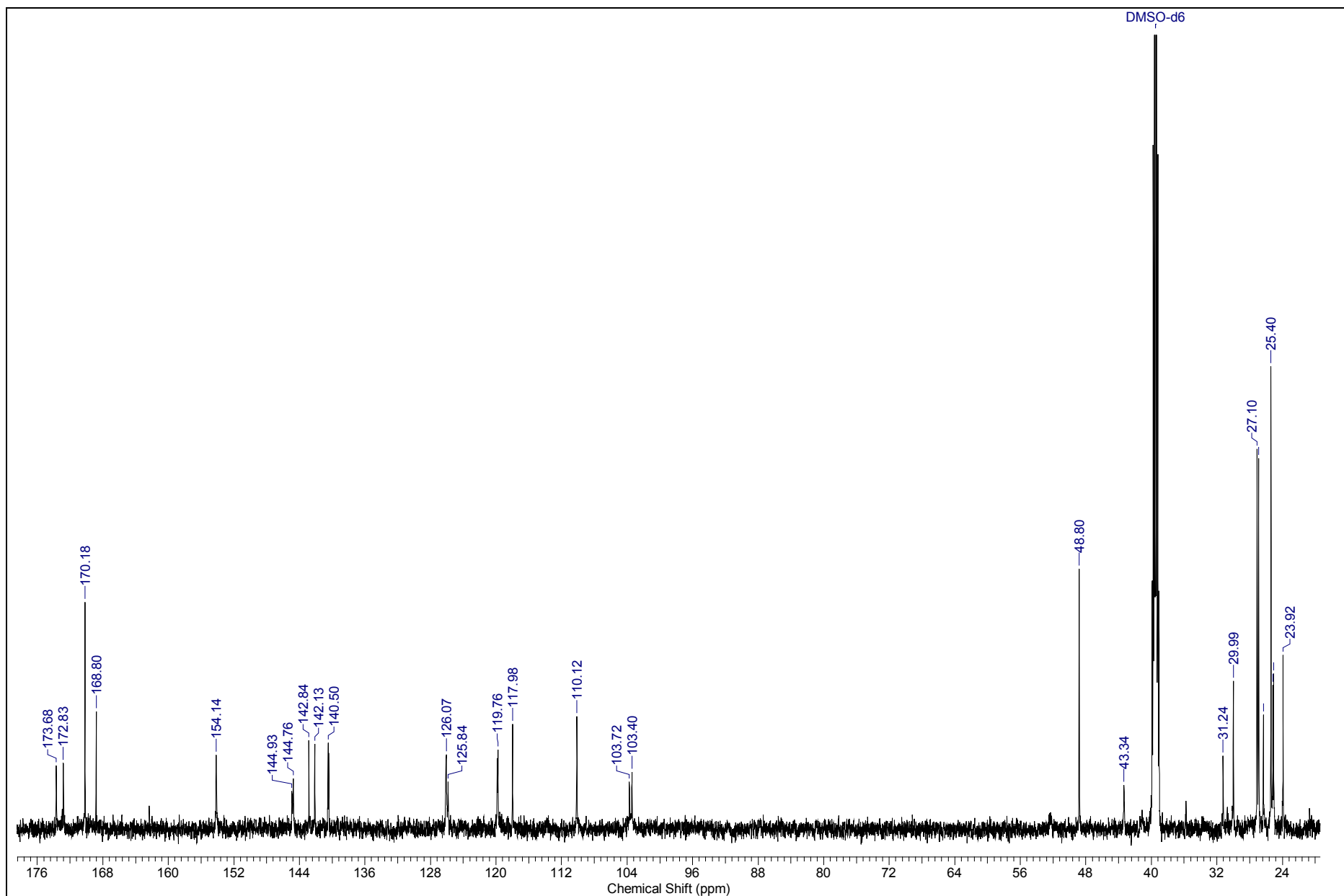
<b>Product name:</b>	diSulfo - Cy5 NHS Ester	<b>cat. no.</b>	Lot 10014, Lot 20014, Lot 30014, Lot 40014	
<b>Structure</b>				
<b>FW</b>				<b>761.84</b>
<b>Appearance</b>				dark blue solid
<b>Purity</b>				95+%

### QUALITY CONTROL

<b><sup>1</sup>H NMR</b>	95+%	Analytical Data page 1
<b><sup>13</sup>C NMR</b>	95+%	Analytical Data page 2
<b>TLC</b>	pass	major spot in 15% 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)



<sup>13</sup>C NMR (DMSO-*d*<sub>6</sub>, 150 MHz)