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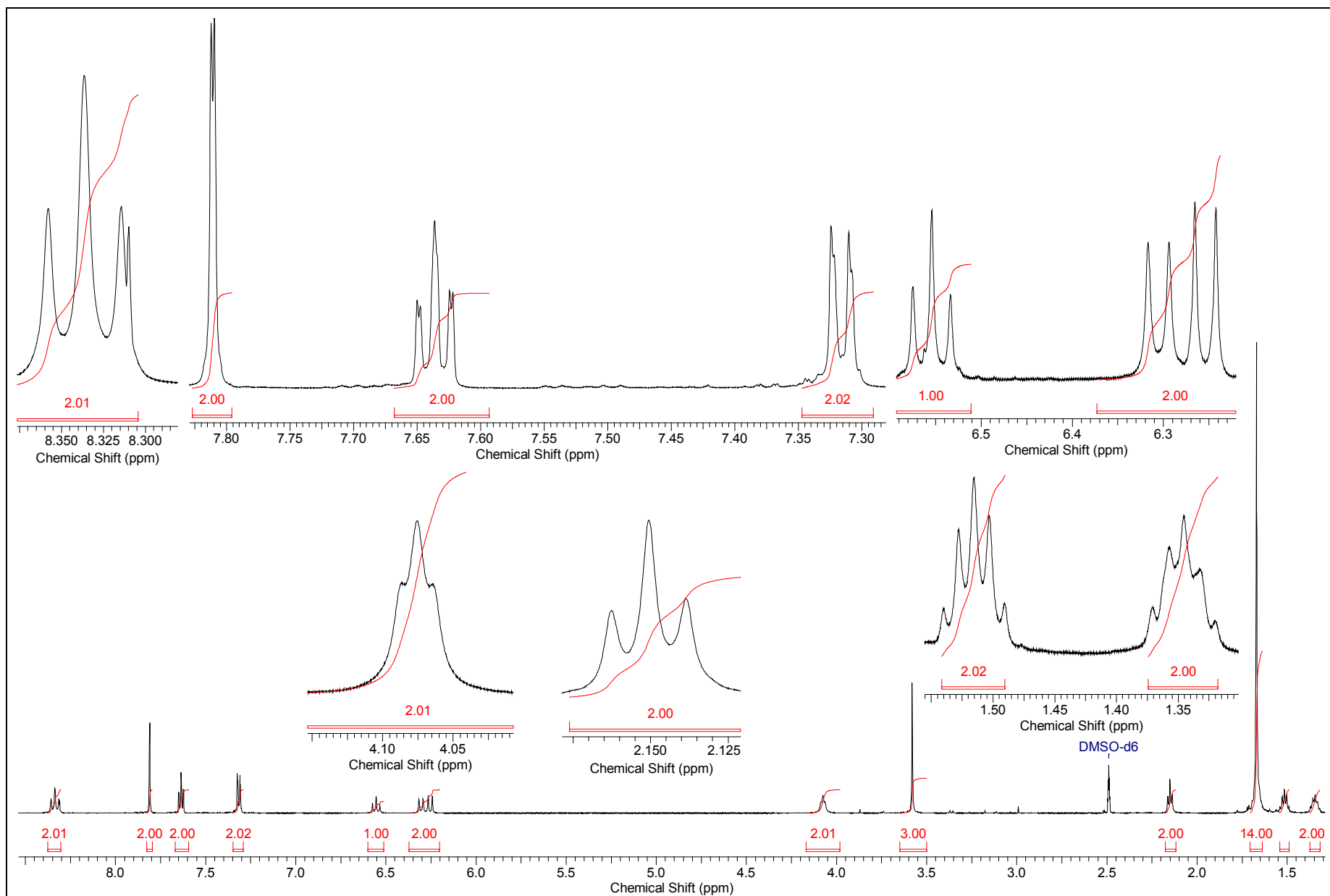
## CERTIFICATE OF ANALYSIS

Date 02/23/2013

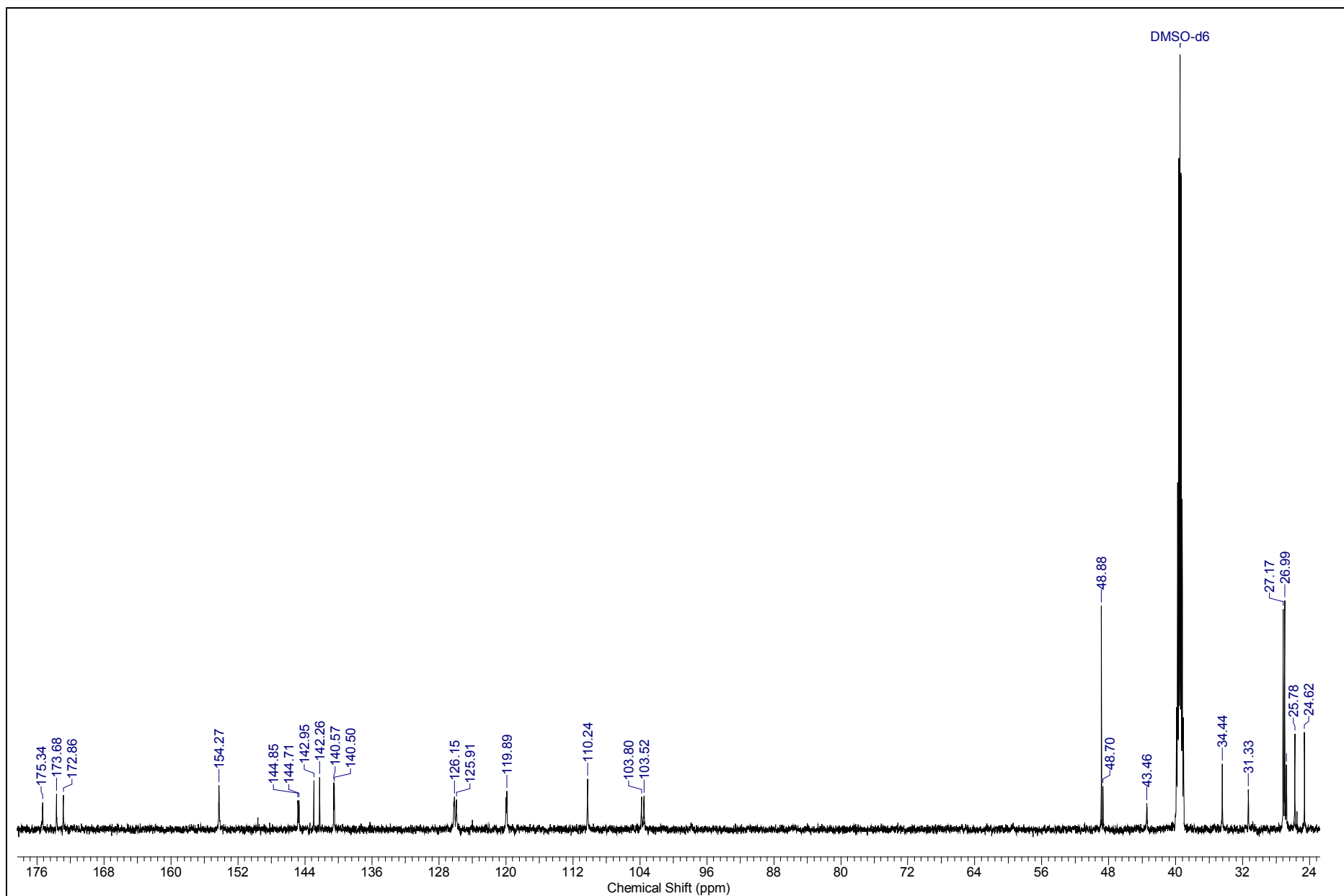
<b>Product name:</b>	diSulfo - Cy5 carboxylic acid	<b>cat. no.</b>	Lot 10010, Lot 20010
<b>Structure</b>			
<b>FW</b>			<b>664.77</b>
<b>Appearance</b>			dark blue solid
<b>Purity</b>			95+%

### 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>



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



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