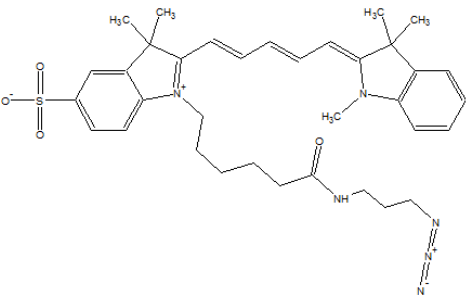




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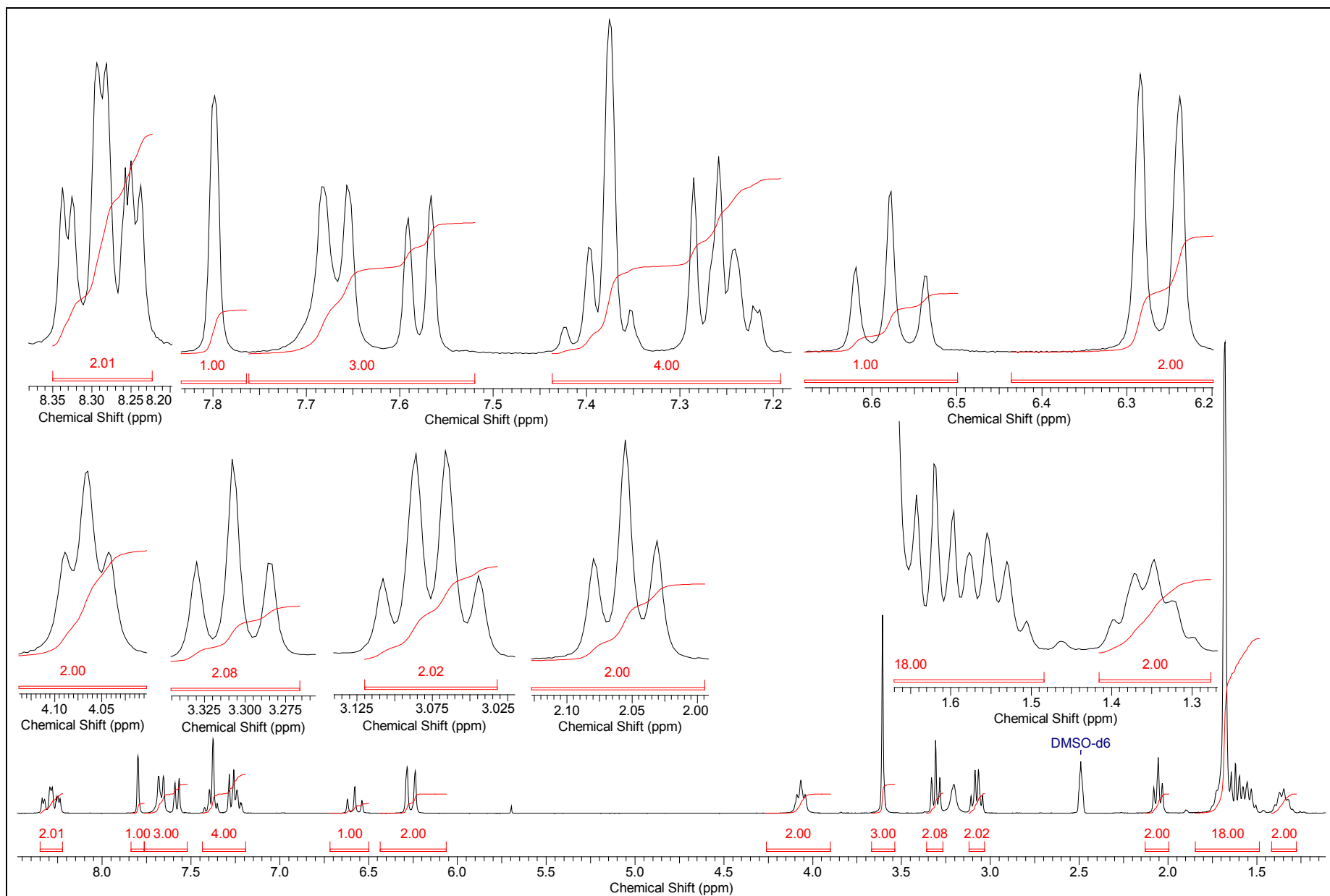
## CERTIFICATE OF ANALYSIS

Date 2/22/2013

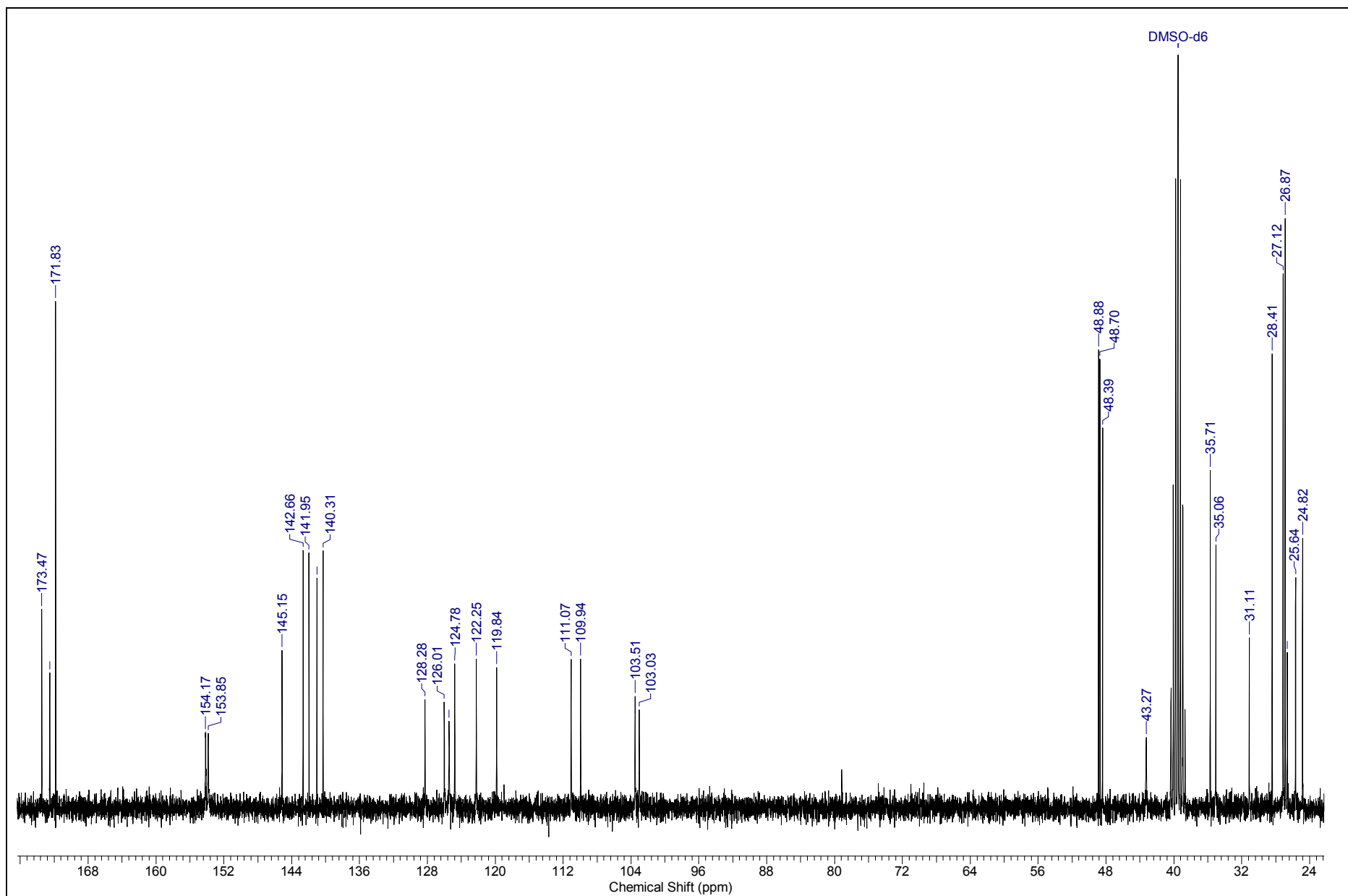
<b>Product name:</b>	monoSulfo - Cy5 azide	<b>cat. no.</b>	Lot 10020, Lot 20020, Lot 30020, Lot 40020	
<b>Structure</b>				
			<b>FW</b>	<b>644.83</b>
			<b>Appearance</b>	dark blue solid
			<b>Purity</b>	95+%

### 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>Functional testing</b>	pass	reaction with alkyne controlled by TLC



$^1\text{H}$  NMR ( $\text{DMSO-}d_6$ , 300 MHz)



<sup>13</sup>C NMR (DMSO-*d*<sub>6</sub>, 75 MHz)