

# Copper(I)-catalysed azide–alkyne cycloaddition and antiproliferative activity of mono- and bis-1,2,3-triazole derivatives

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## Contents

<b>Figure S1.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>8</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>2</b>
<b>Figure S2.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>8</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>2</b>
<b>Figure S3.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>9</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>3</b>
<b>Figure S4.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>9</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>3</b>
<b>Figure S5.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>10</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>4</b>
<b>Figure S6.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>10</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>4</b>
<b>Figure S7.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>11</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>5</b>
<b>Figure S8.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>11</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>5</b>
<b>Figure S9.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>12</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>6</b>
<b>Figure S10.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>12</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>6</b>
<b>Figure S11.</b> <sup>1</sup> H NMR spectrum of mono-1,2,3-triazole <b>13</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>7</b>
<b>Figure S12.</b> <sup>13</sup> C NMR spectrum of mono-1,2,3-triazole <b>13</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>7</b>
<b>Figure S13.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>15</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>8</b>
<b>Figure S14.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>15</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>8</b>
<b>Figure S15.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>16</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>9</b>
<b>Figure S16.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>16</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>9</b>
<b>Figure S17.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>17</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>10</b>
<b>Figure S18.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>17</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>10</b>
<b>Figure S19.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>18</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>11</b>
<b>Figure S20.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>18</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>11</b>
<b>Figure S21.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>21</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>12</b>
<b>Figure S22.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>21</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>12</b>
<b>Figure S23.</b> <sup>1</sup> H NMR spectrum of bis-1,2,3-triazole <b>22</b> (400 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>13</b>
<b>Figure S24.</b> <sup>13</sup> C NMR spectrum of bis-1,2,3-triazole <b>22</b> (100 MHz, CDCl <sub>3</sub> , 25 °C).....	<b>13</b>

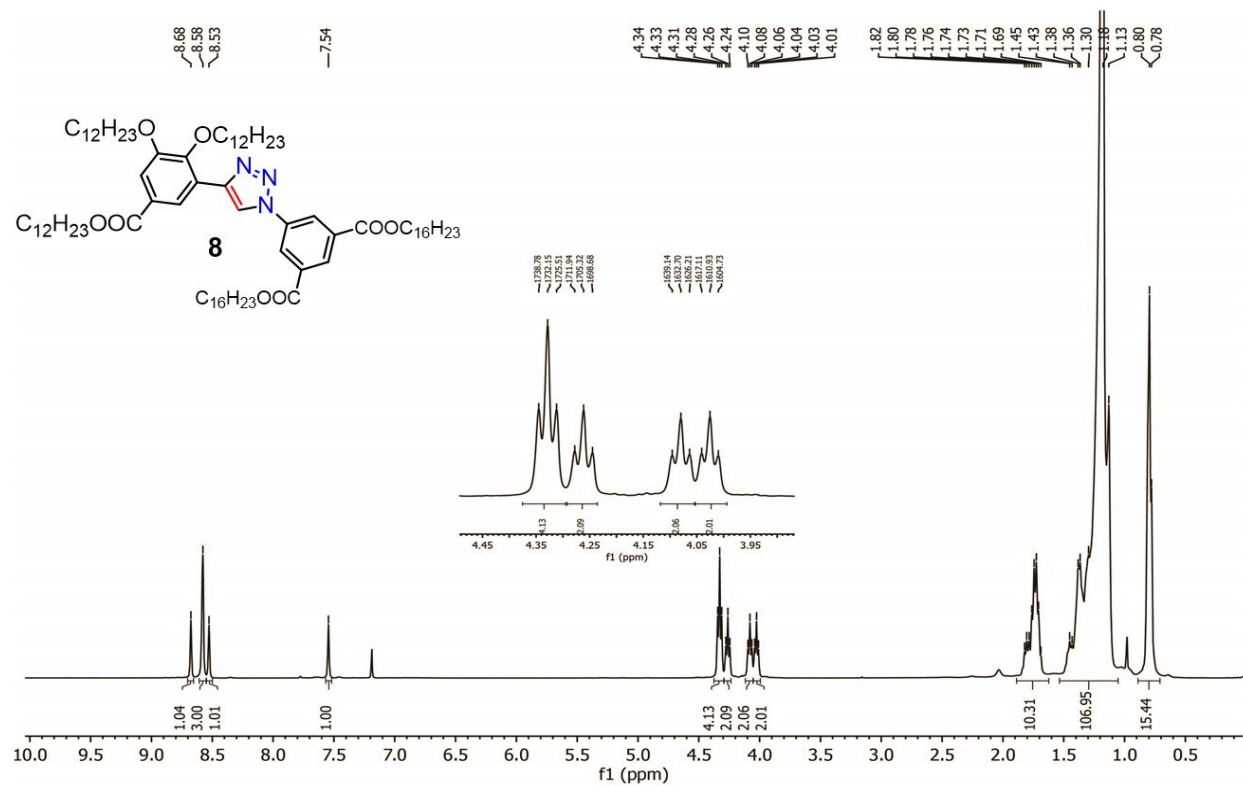


Figure S1.  $^1H$  NMR spectrum of mono-1,2,3-triazole **8** (400 MHz,  $CDCl_3$ , 25 °C).

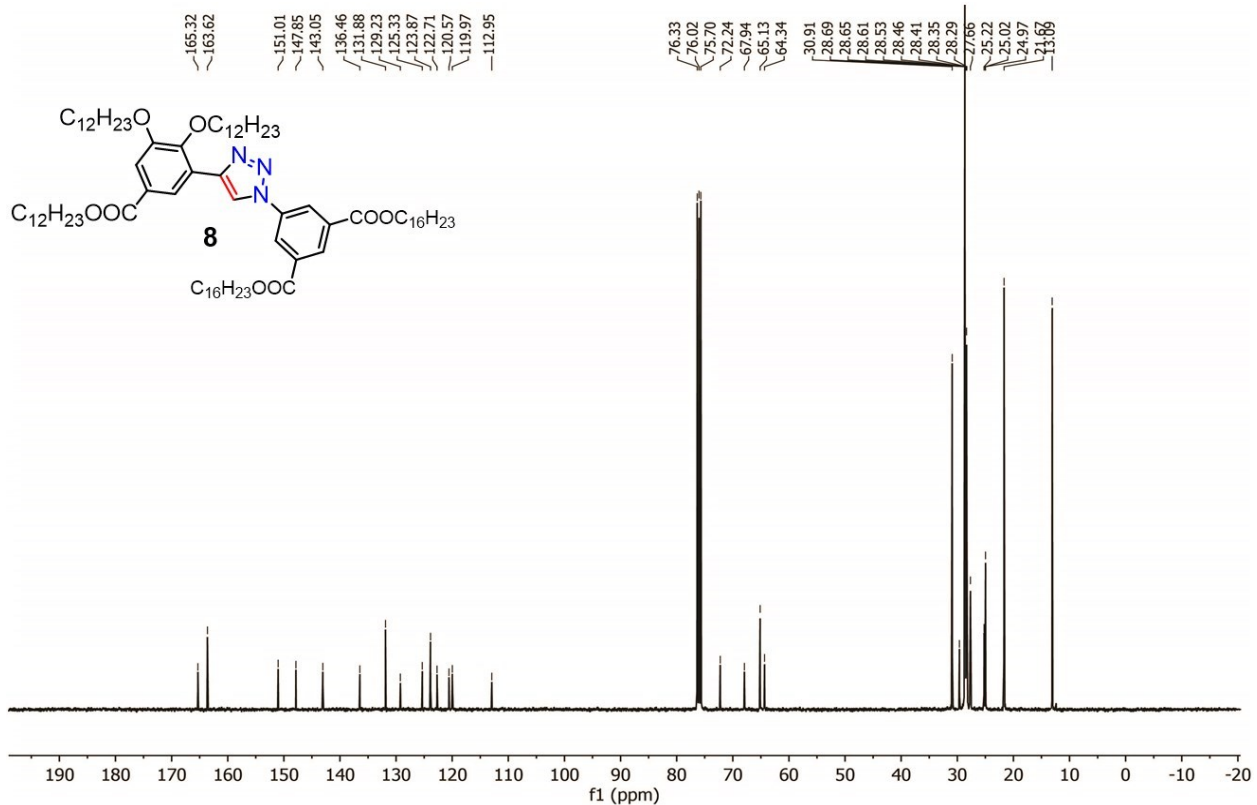
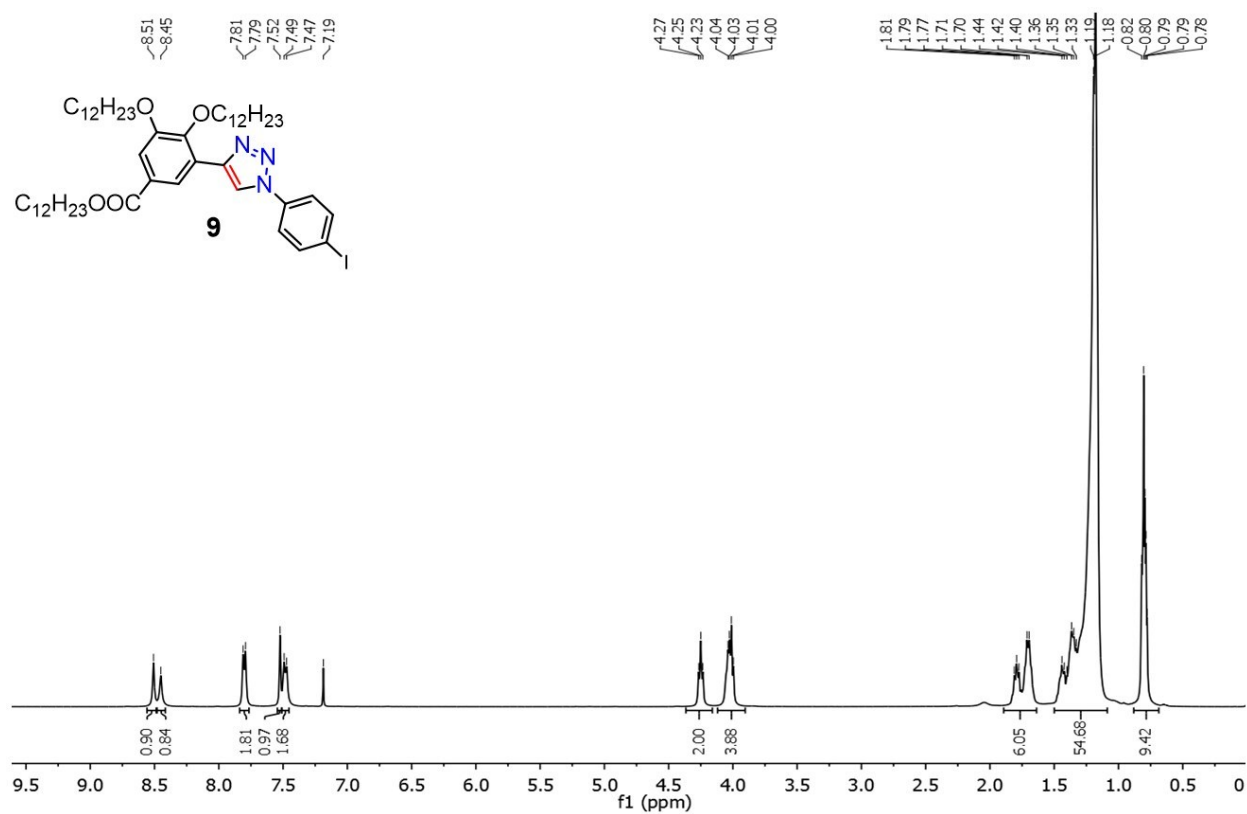
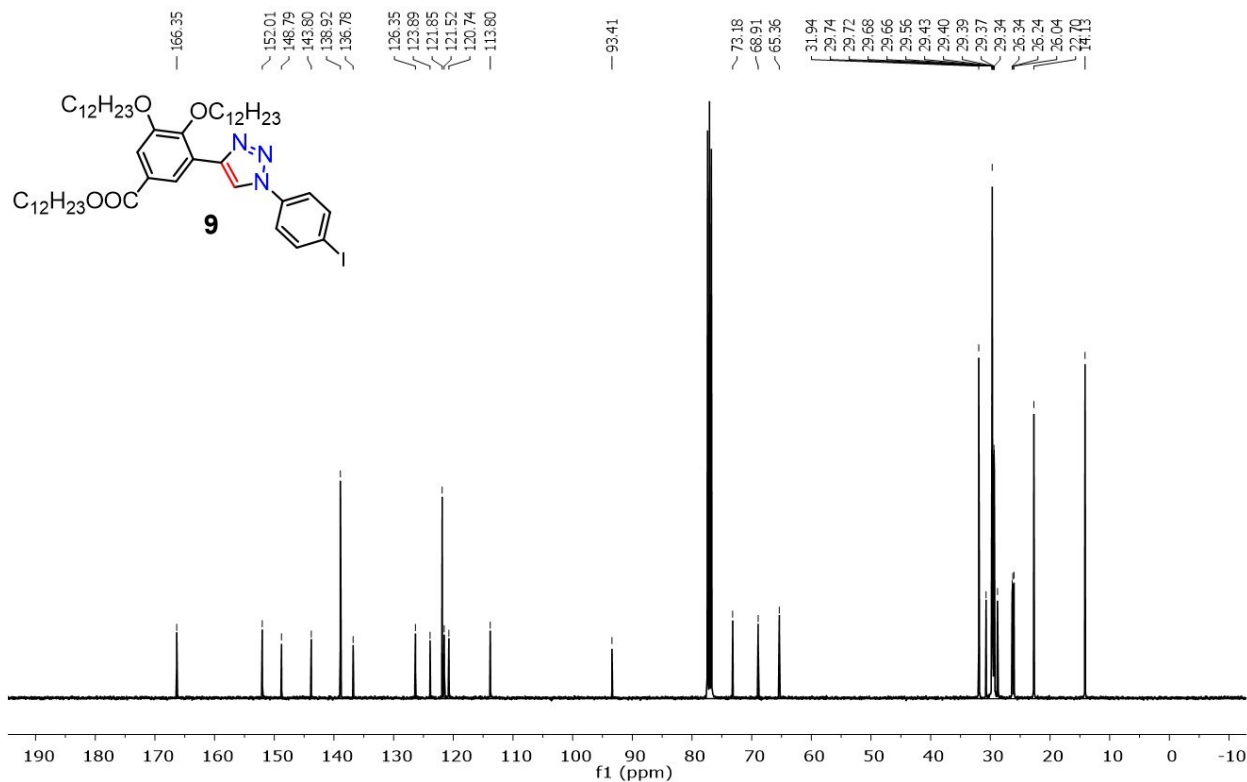


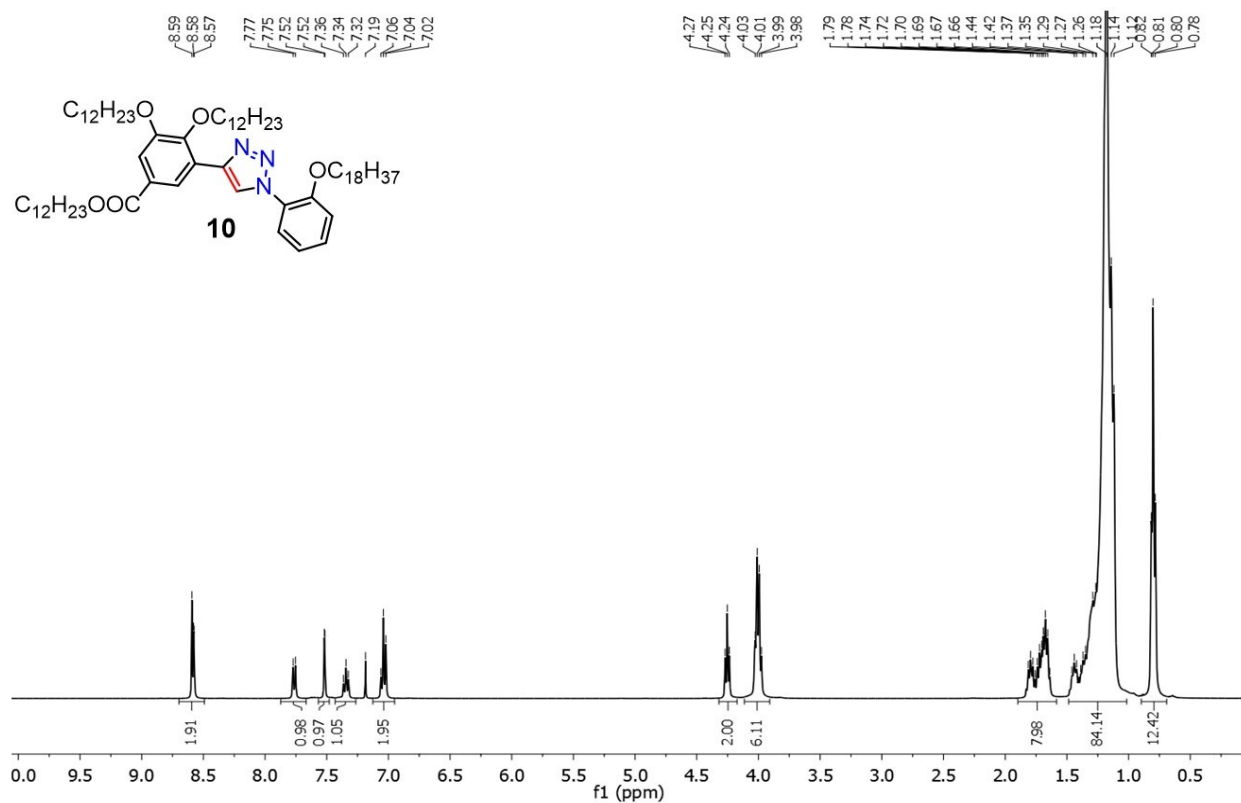
Figure S2.  $^{13}C$  NMR spectrum of mono-1,2,3-triazole **8** (100 MHz,  $CDCl_3$ , 25 °C).



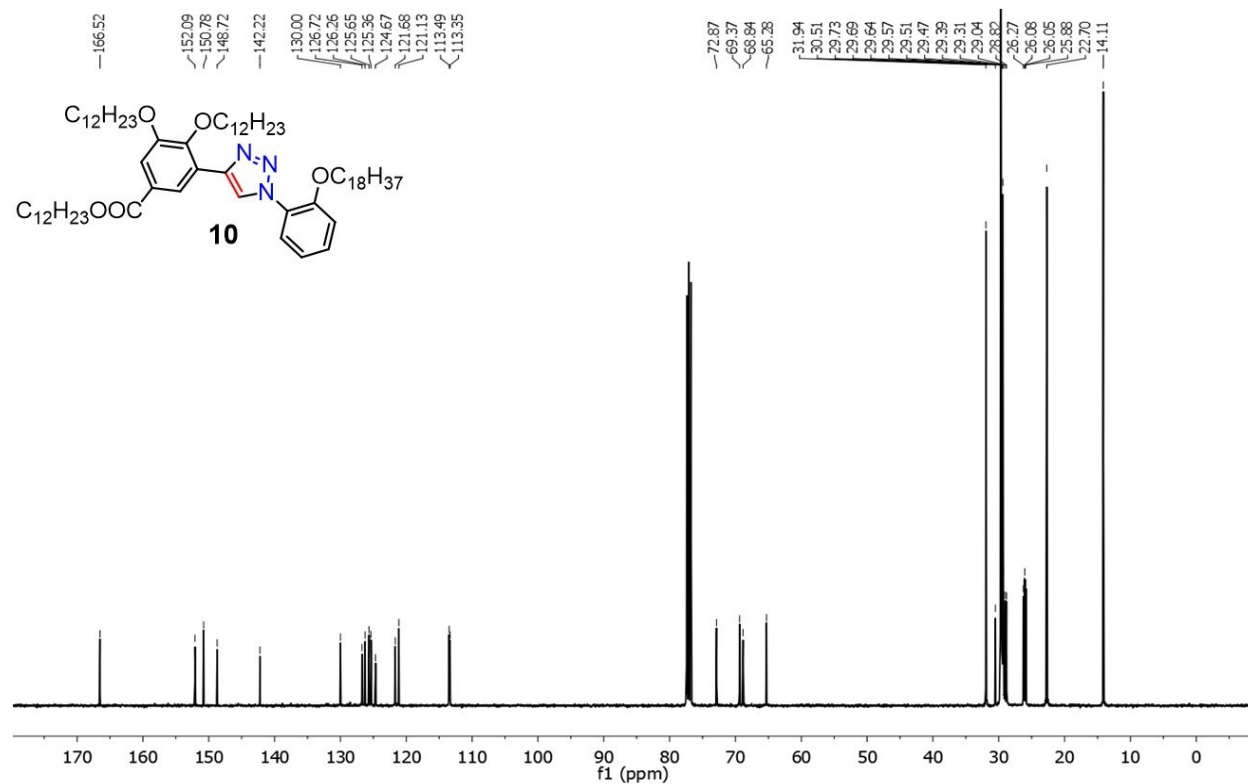
**Figure S3.**  $^1\text{H}$  NMR spectrum of mono-1,2,3-triazole **9** (400 MHz,  $\text{CDCl}_3$ , 25 °C).



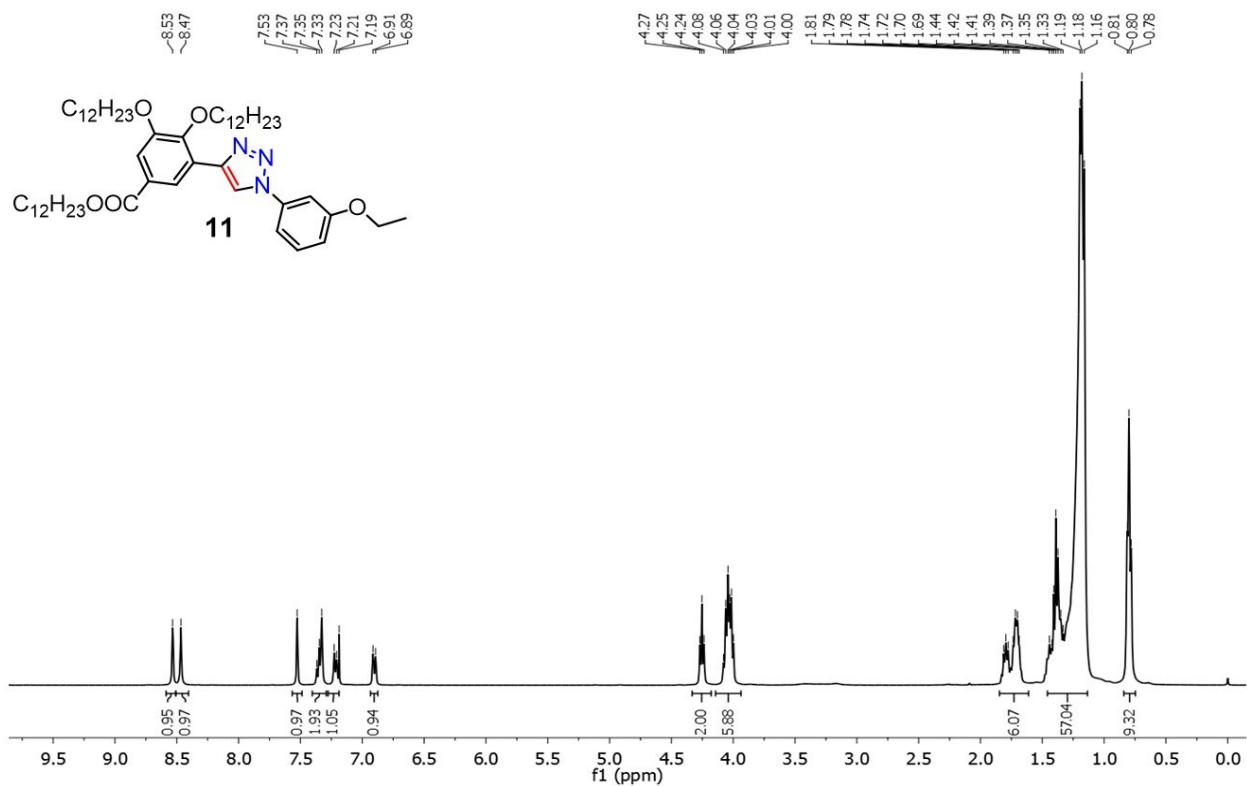
**Figure S4.**  $^{13}\text{C}$  NMR spectrum of mono-1,2,3-triazole **9** (100 MHz,  $\text{CDCl}_3$ , 25 °C).



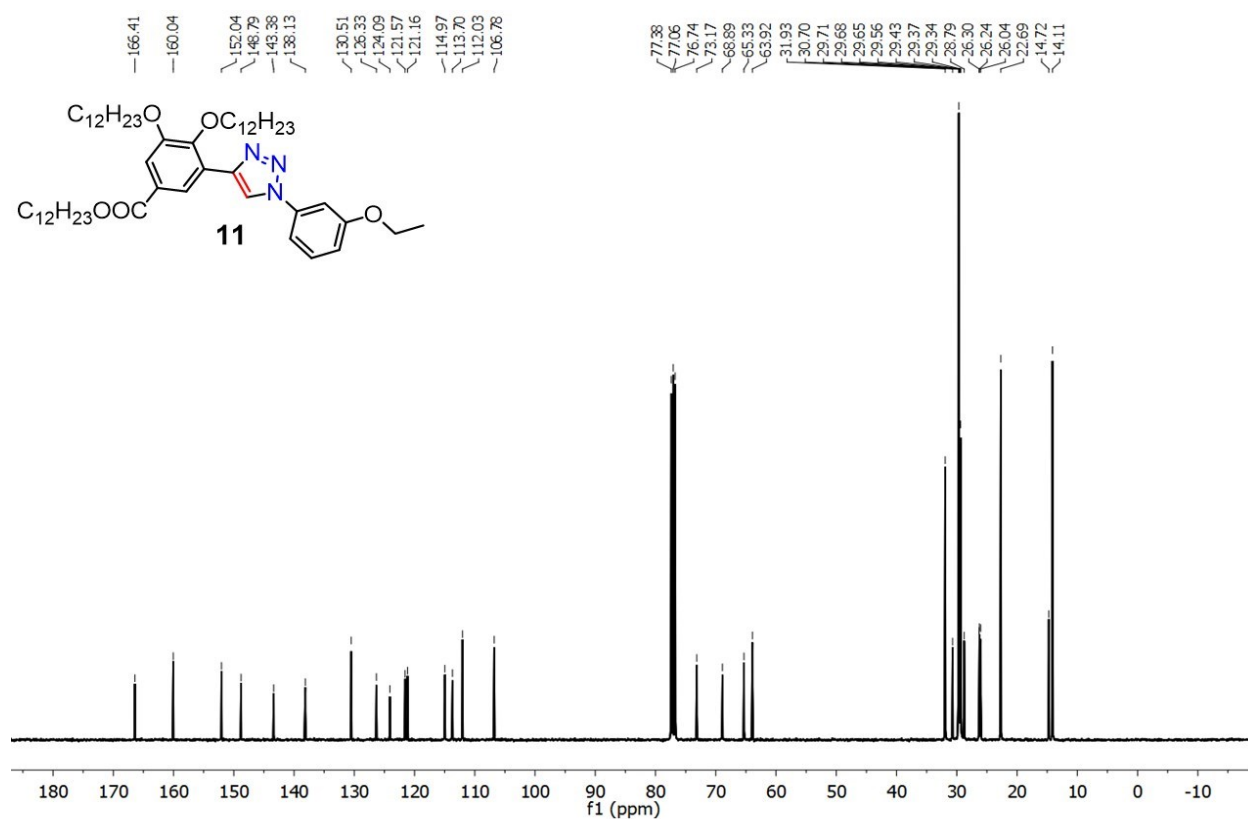
**Figure S5.** <sup>1</sup>H NMR spectrum of mono-1,2,3-triazole **10** (400 MHz, CDCl<sub>3</sub>, 25 °C).



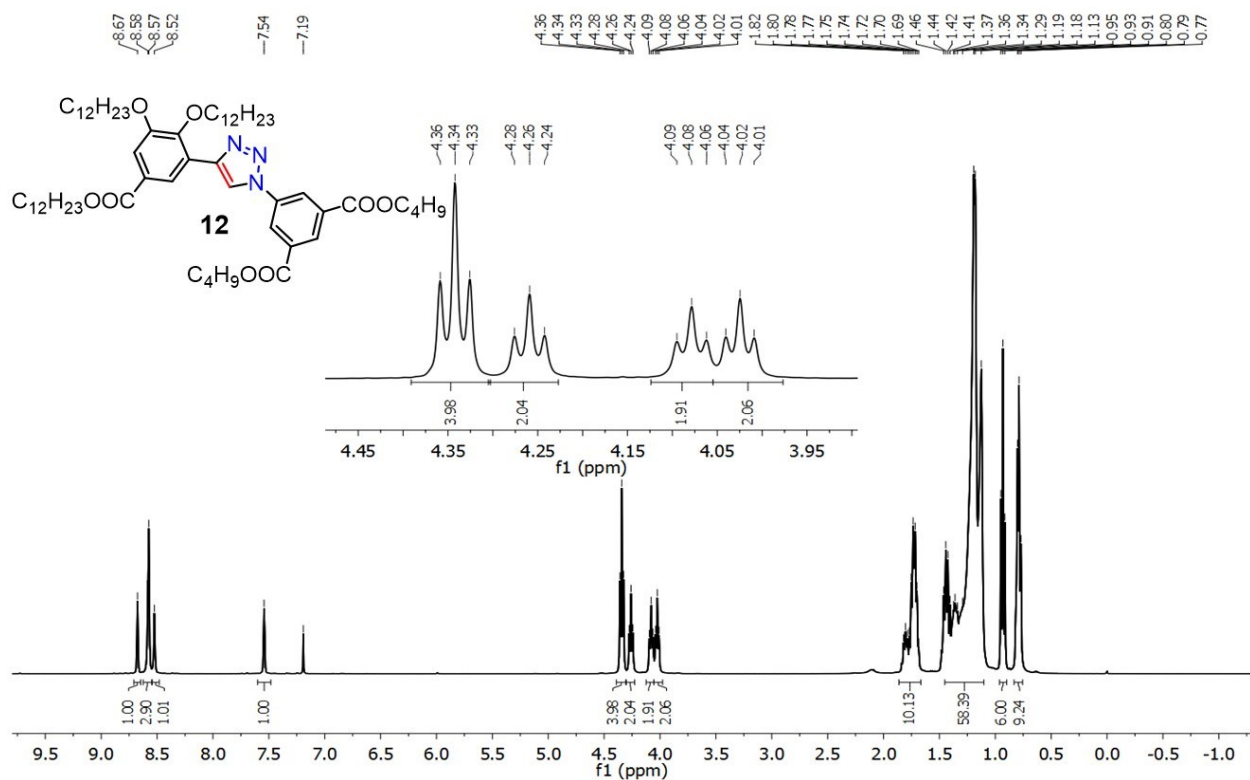
**Figure S6.** <sup>13</sup>C NMR spectrum of mono-1,2,3-triazole **10** (100 MHz, CDCl<sub>3</sub>, 25 °C).



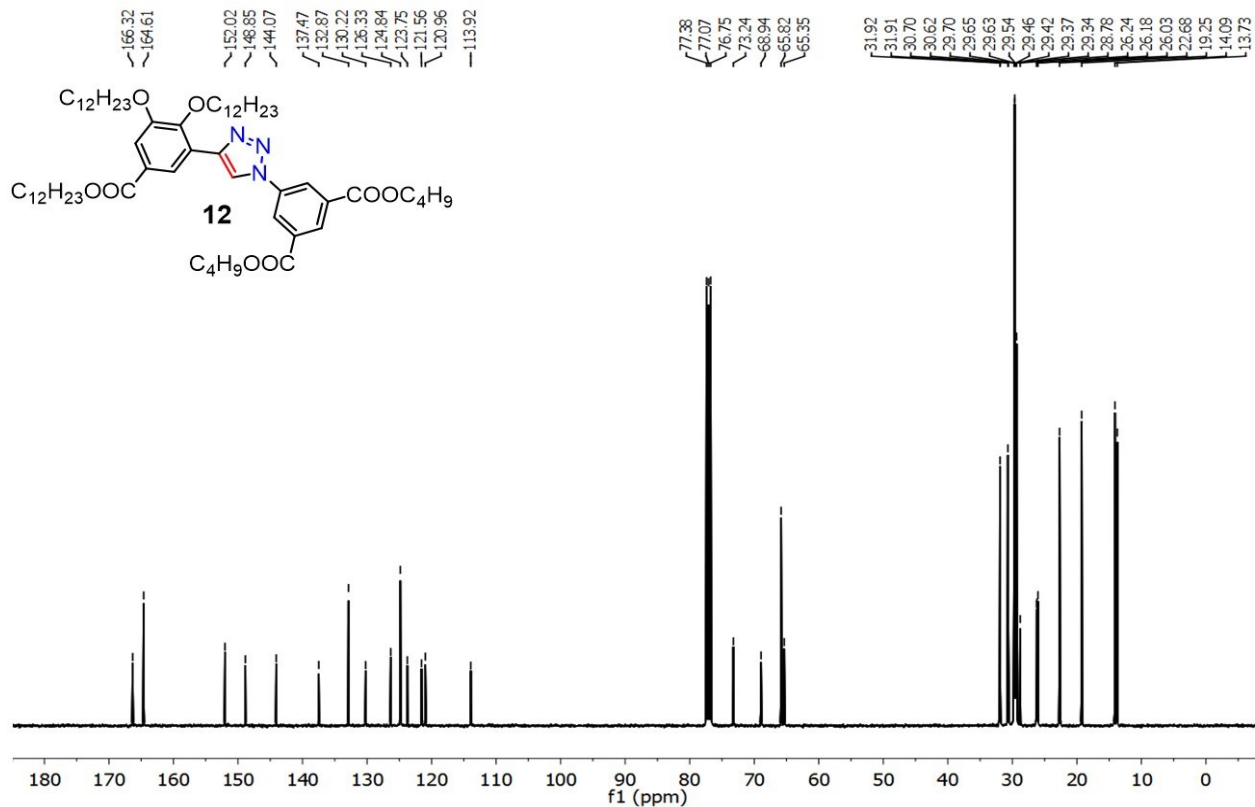
**Figure S7.** <sup>1</sup>H NMR spectrum of mono-1,2,3-triazole **11** (400 MHz, CDCl<sub>3</sub>, 25 °C).



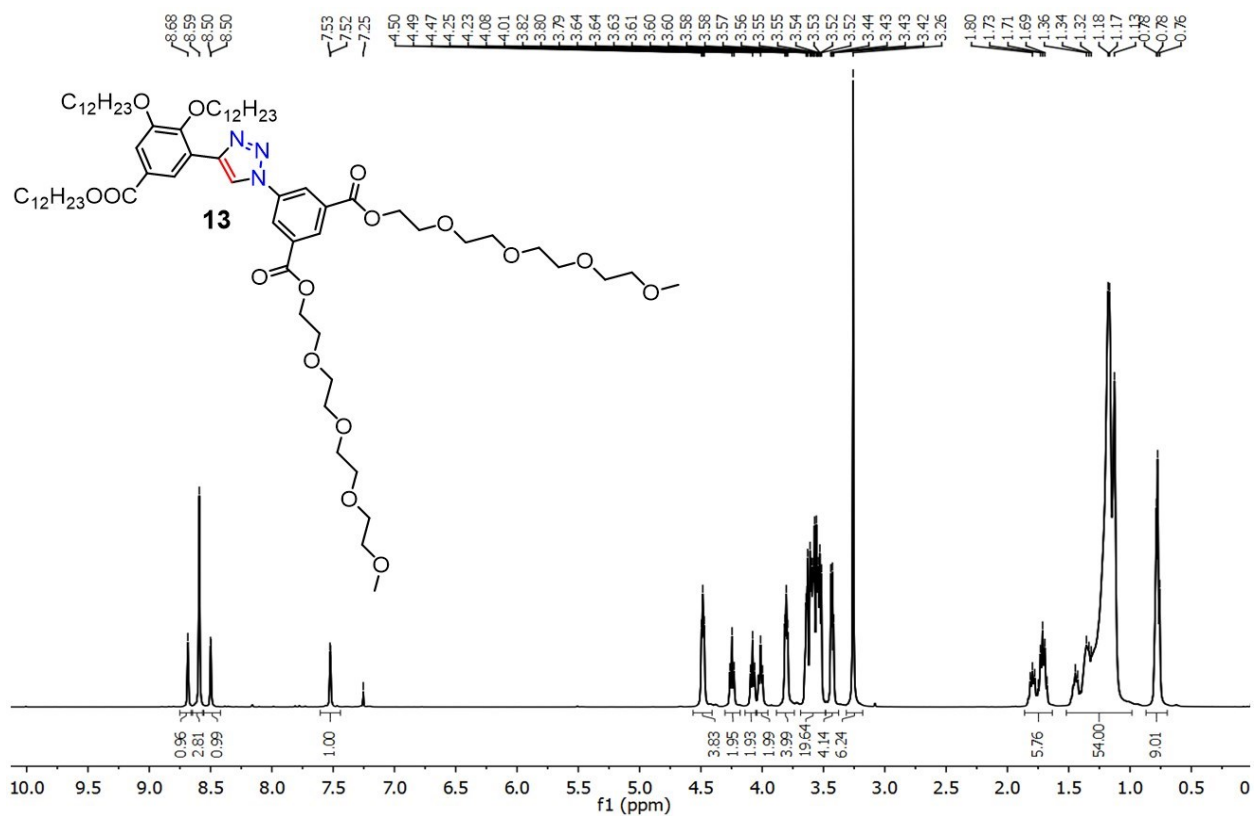
**Figure S8.** <sup>13</sup>C NMR spectrum of mono-1,2,3-triazole **11** (100 MHz, CDCl<sub>3</sub>, 25 °C).



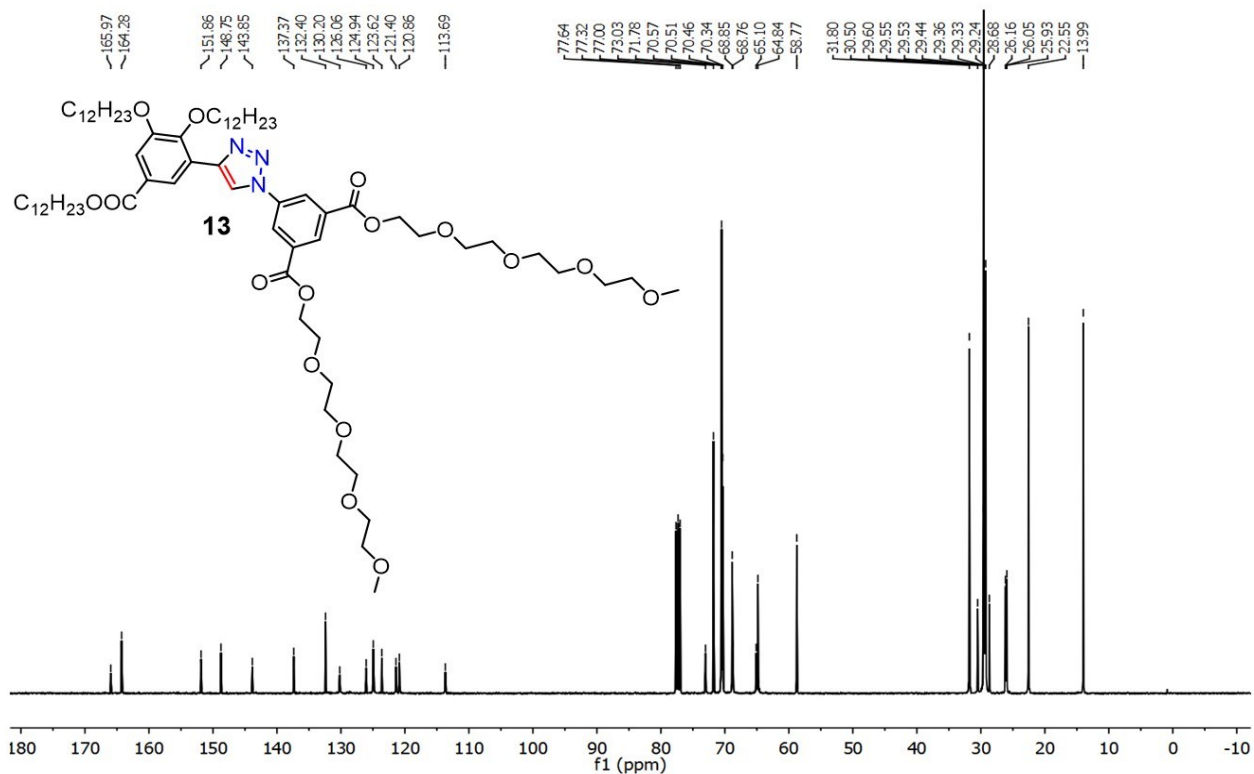
**Figure S9.** <sup>1</sup>H NMR spectrum of mono-1,2,3-triazole **12** (400 MHz, CDCl<sub>3</sub>, 25 °C).



**Figure S10.** <sup>13</sup>C NMR spectrum of mono-1,2,3-triazole **12** (100 MHz, CDCl<sub>3</sub>, 25 °C).



**Figure S11.**  $^1\text{H}$  NMR spectrum of mono-1,2,3-triazole **13** (400 MHz,  $\text{CDCl}_3$ , 25 °C).



**Figure S12.**  $^{13}\text{C}$  NMR spectrum of mono-1,2,3-triazole **13** (100 MHz,  $\text{CDCl}_3$ , 25 °C).

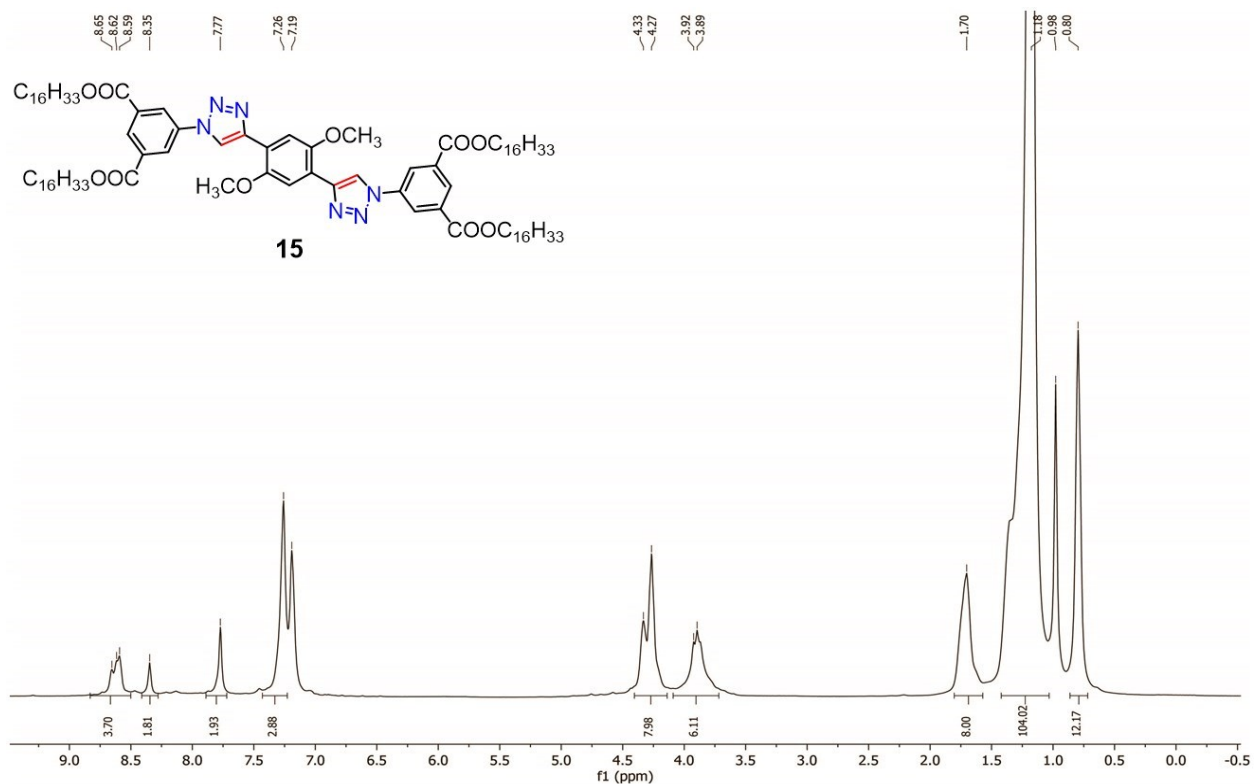


Figure S13.  $^1\text{H}$  NMR spectrum of bis-1,2,3-triazole **15** (400 MHz,  $\text{CDCl}_3$ , 25 °C).

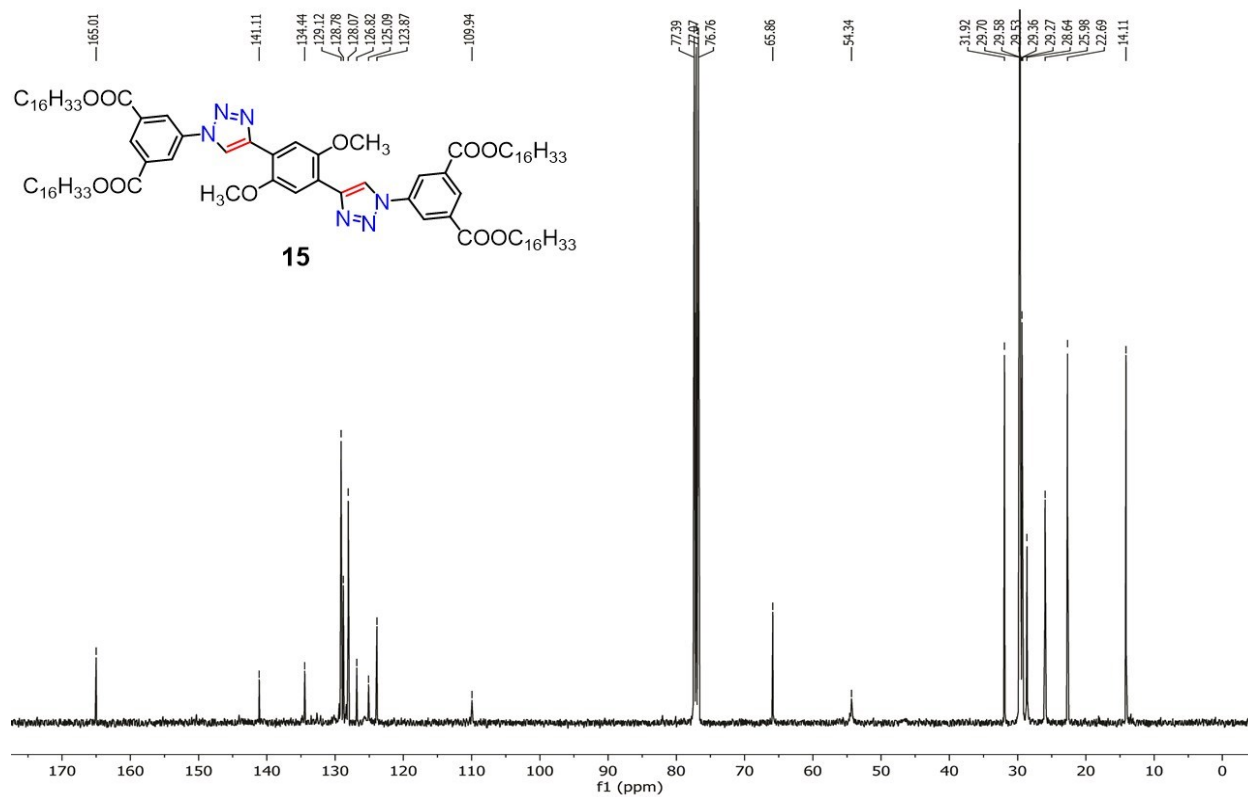
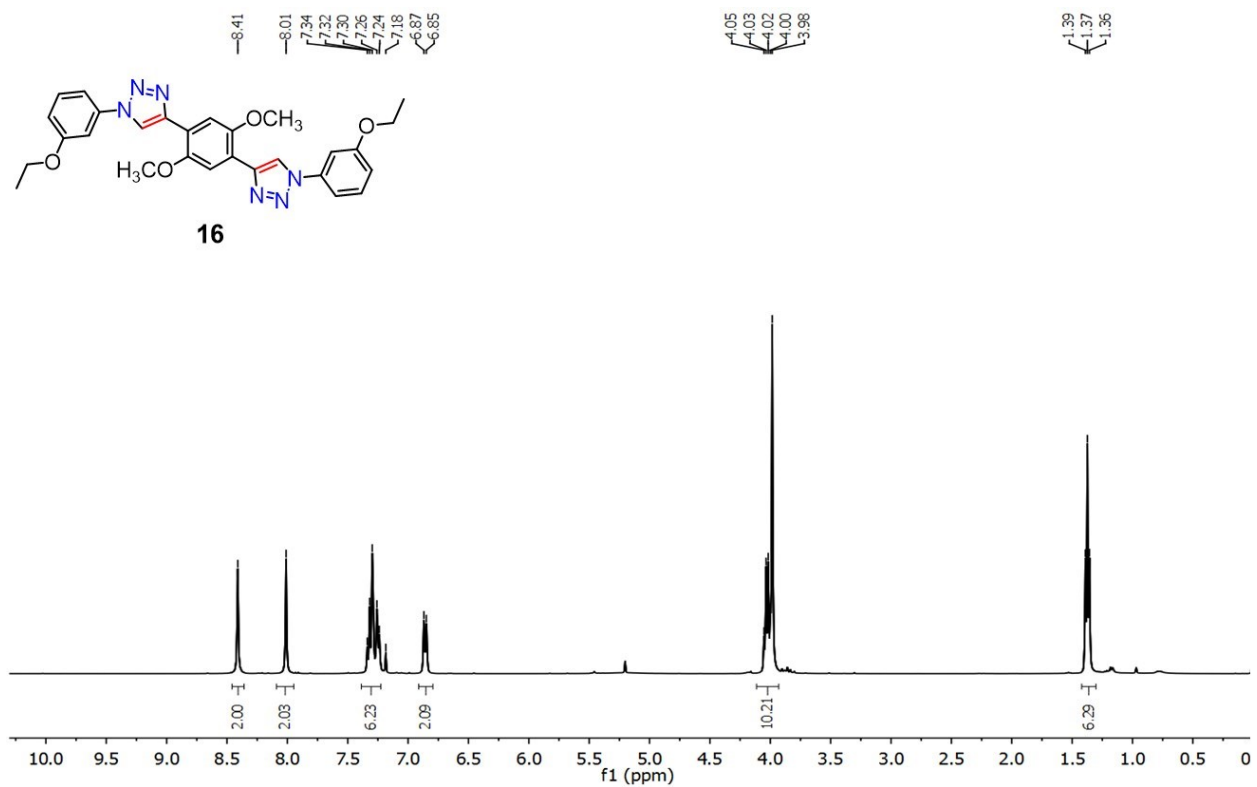
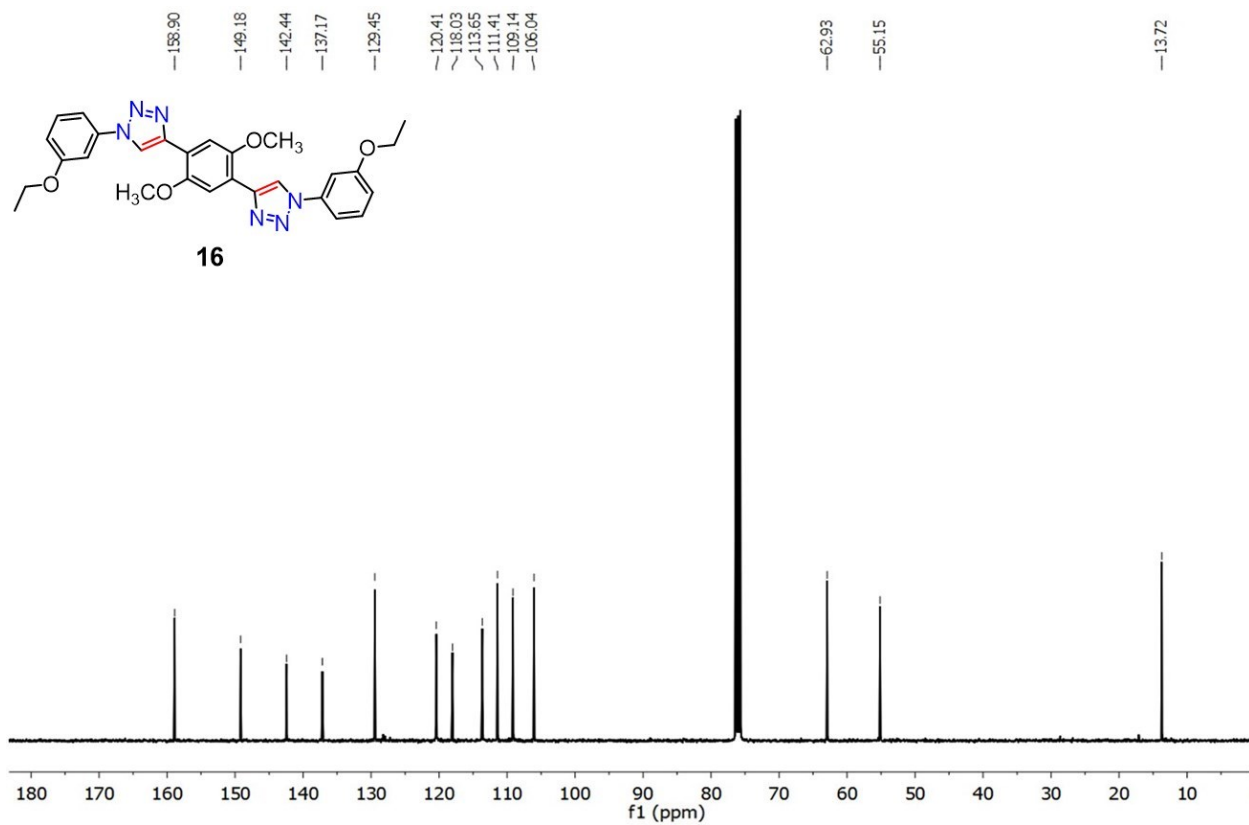


Figure S14.  $^{13}\text{C}$  NMR spectrum of bis-1,2,3-triazole **15** (100 MHz,  $\text{CDCl}_3$ , 25 °C).

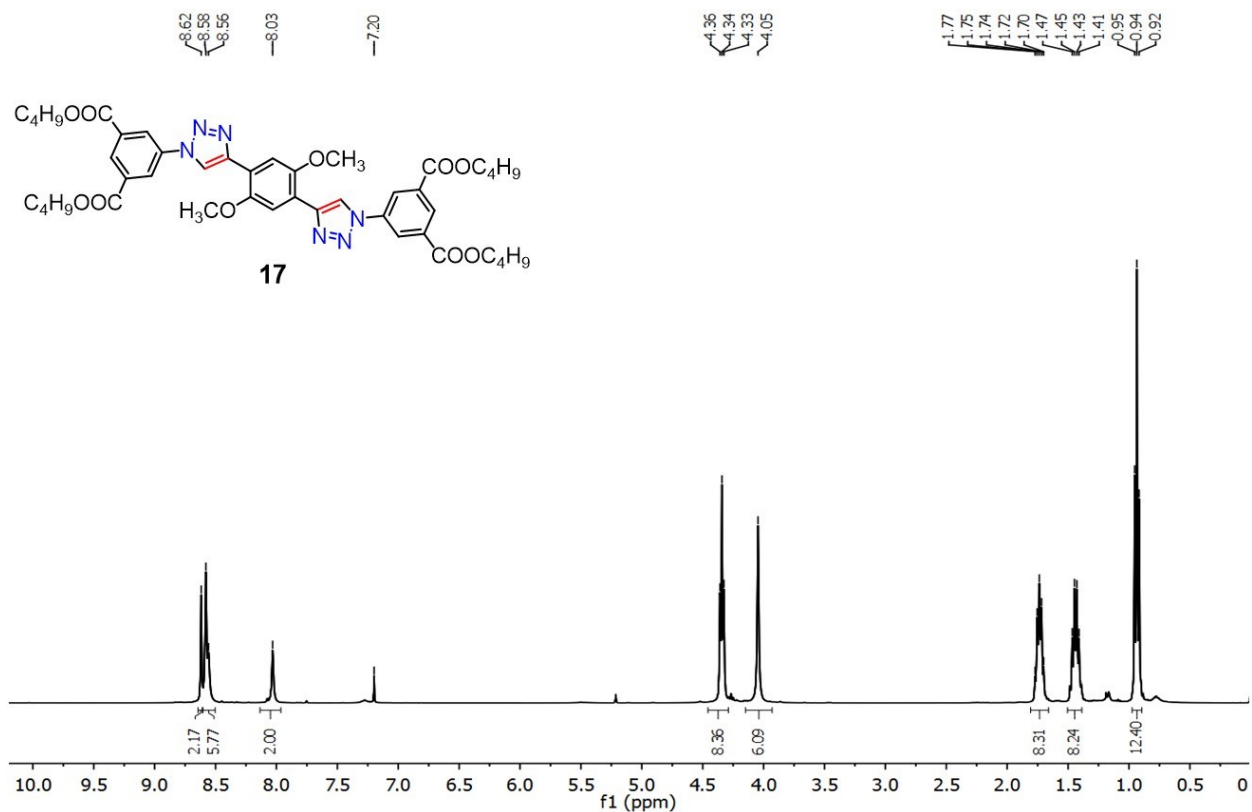




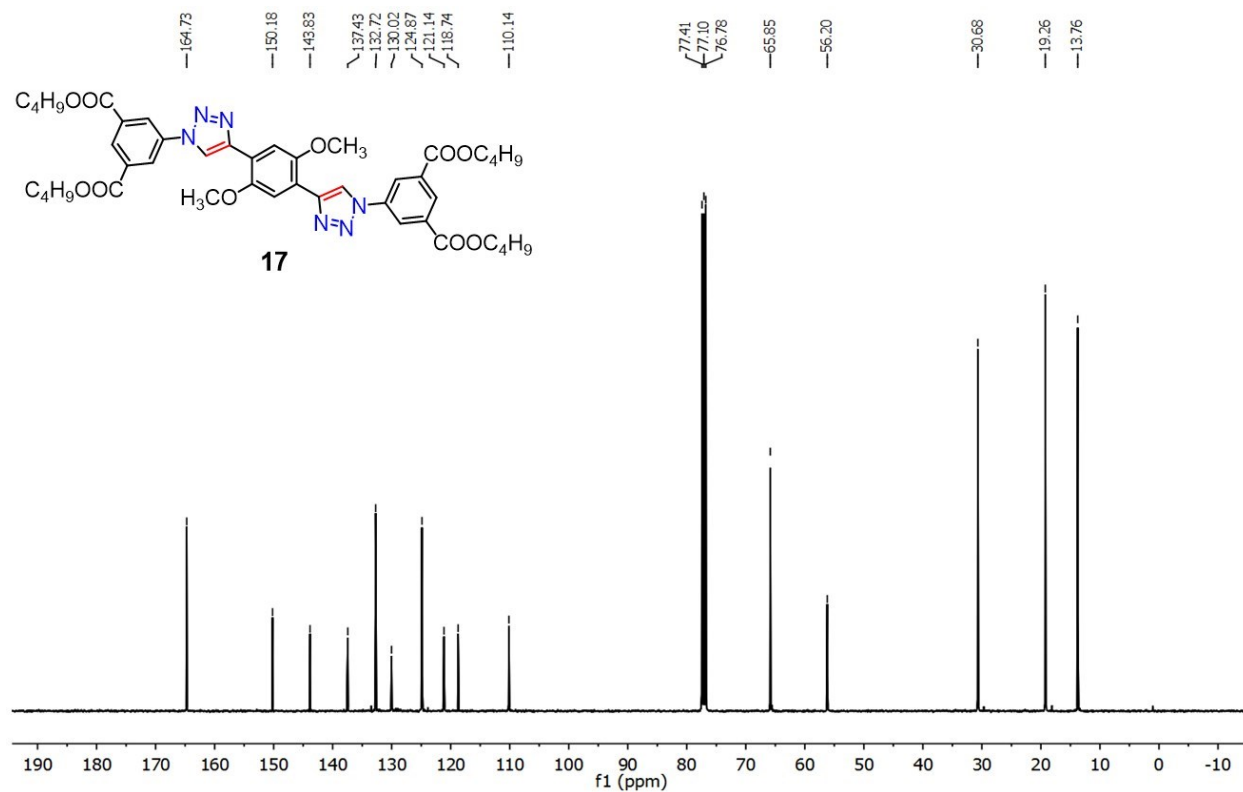
**Figure S15.**  $^1\text{H}$  NMR spectrum of bis-1,2,3-triazole **16** (400 MHz,  $\text{CDCl}_3$ , 25 °C).



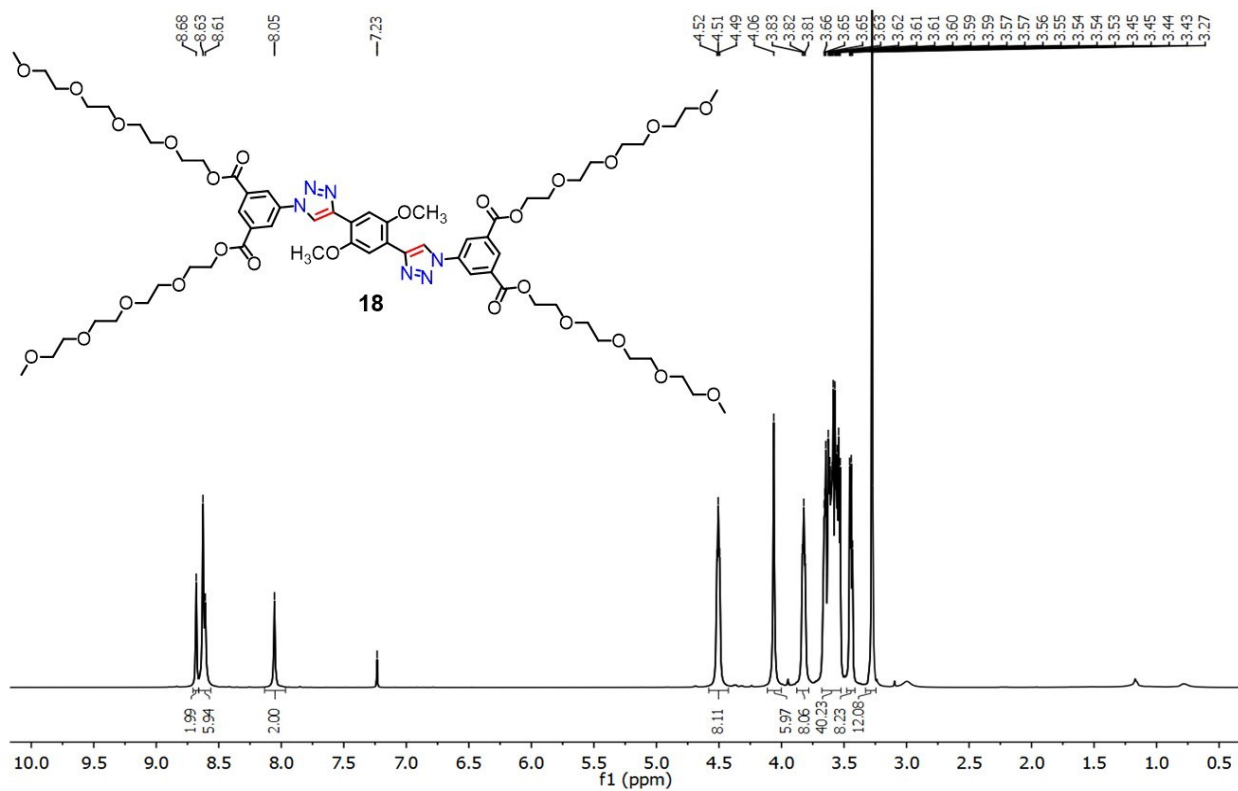
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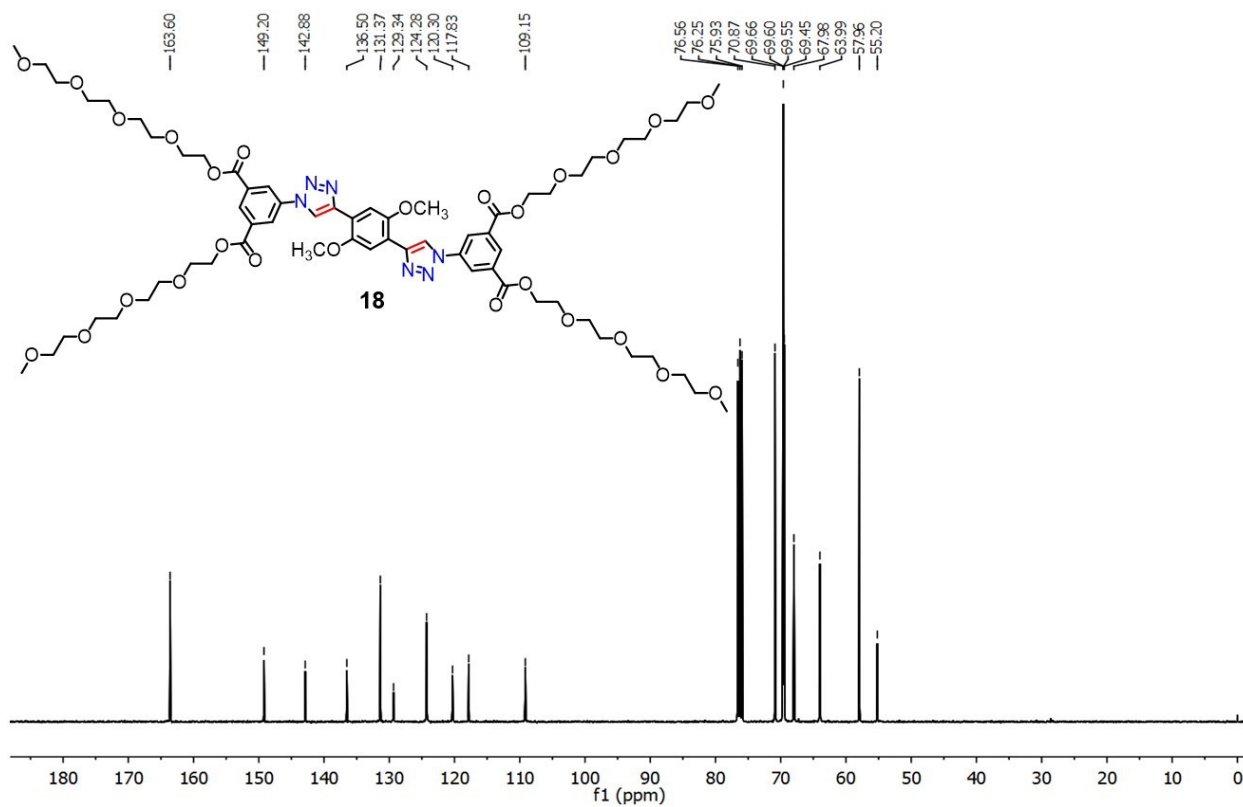
**Figure S17.**  $^1\text{H}$  NMR spectrum of bis-1,2,3-triazole **17** (400 MHz,  $\text{CDCl}_3$ , 25 °C).



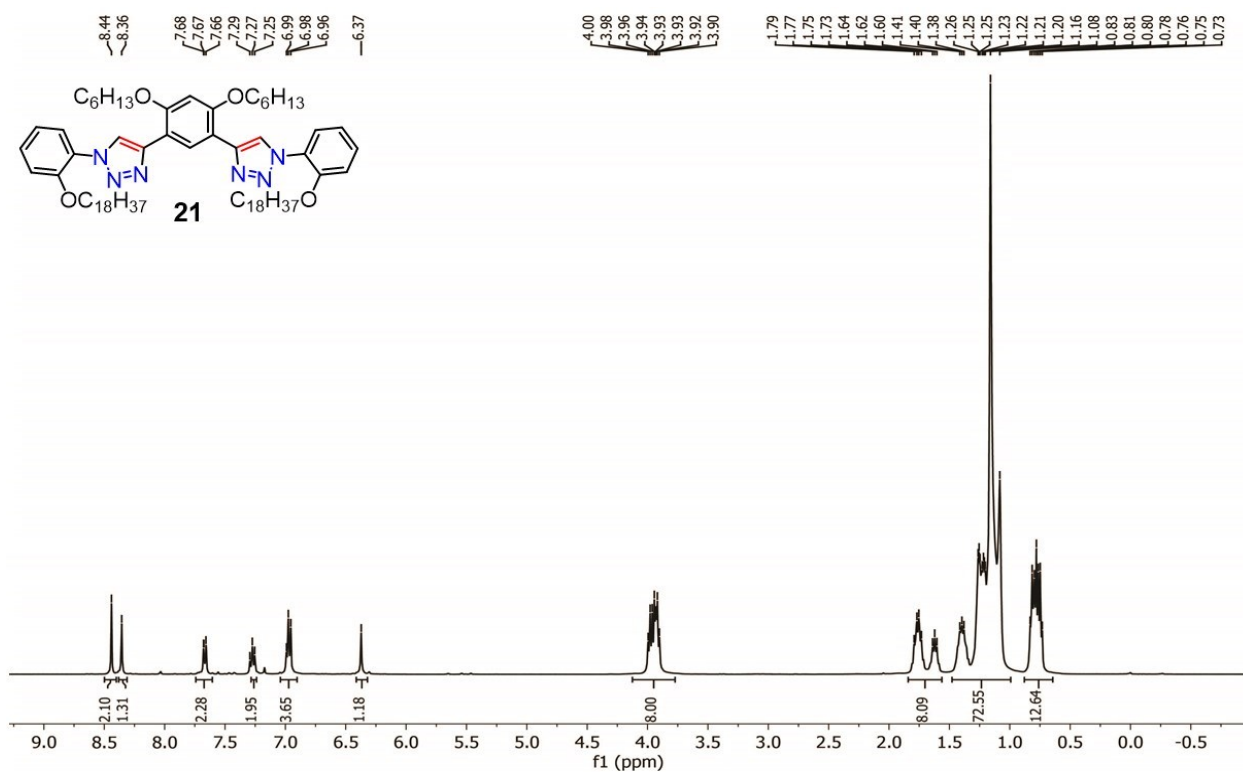
**Figure S18.**  $^{13}\text{C}$  NMR spectrum of bis-1,2,3-triazole **17** (100 MHz,  $\text{CDCl}_3$ , 25 °C).



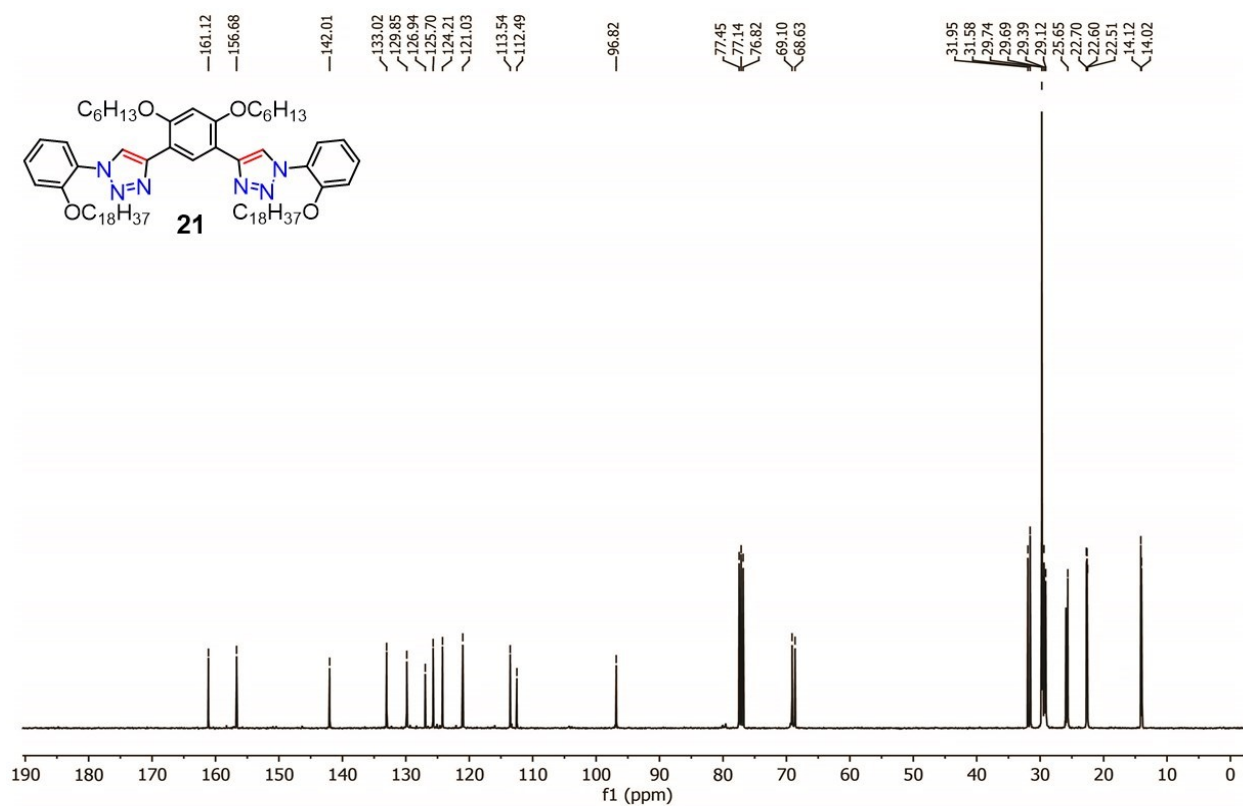
**Figure S19.**  $^1\text{H}$  NMR spectrum of bis-1,2,3-triazole **18** (400 MHz,  $\text{CDCl}_3$ , 25  $^\circ\text{C}$ ).



**Figure S20.**  $^{13}\text{C}$  NMR spectrum of bis-1,2,3-triazole **18** (100 MHz,  $\text{CDCl}_3$ , 25  $^\circ\text{C}$ ).



**Figure S21.**  $^1\text{H}$  NMR spectrum of bis-1,2,3-triazole **21** (400 MHz,  $\text{CDCl}_3$ , 25  $^\circ\text{C}$ ).



**Figure S22.**  $^{13}\text{C}$  NMR spectrum of bis-1,2,3-triazole **21** (100 MHz,  $\text{CDCl}_3$ , 25  $^\circ\text{C}$ ).

