

Supplementary materials

1,3-Bis(1,2,4-triazol-1-yl)adamantane

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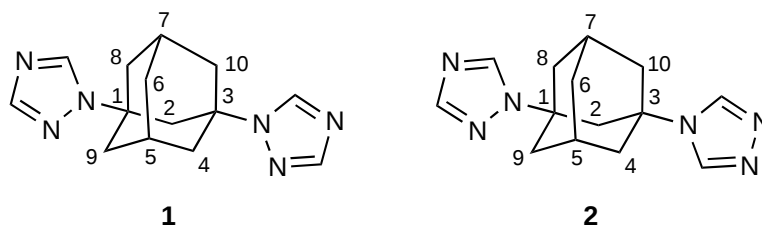


Figure S1. Numbering scheme of 1,3-bis(1,2,4-triazol-1-yl)adamantane (**1**) and 1-(1,2,4-triazol-1-yl)-3-(1,2,4-triazol-4-yl)adamantane (**2**).

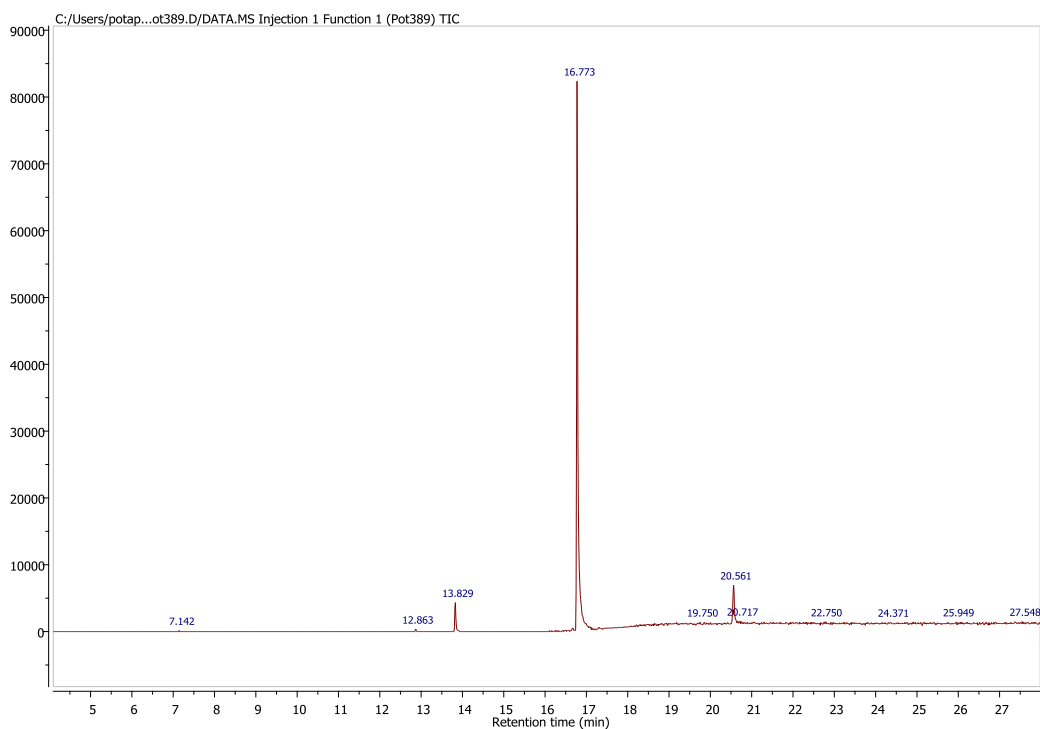
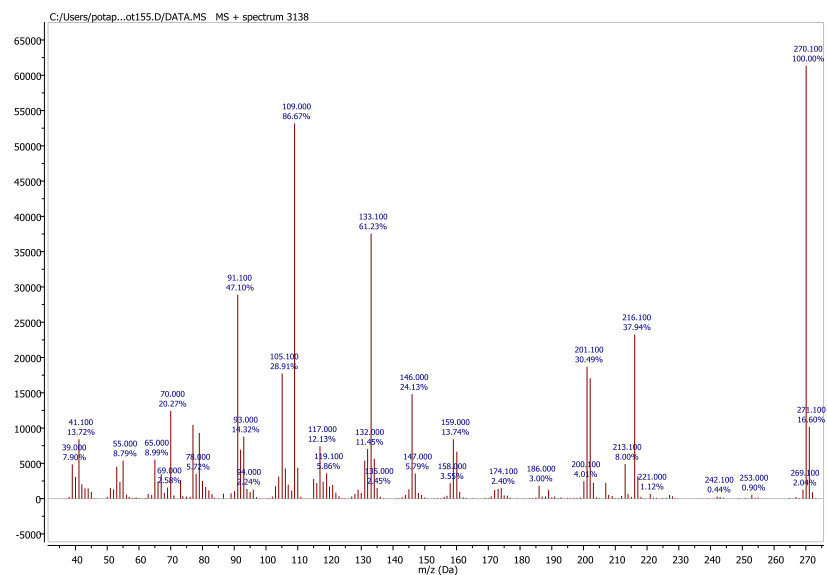
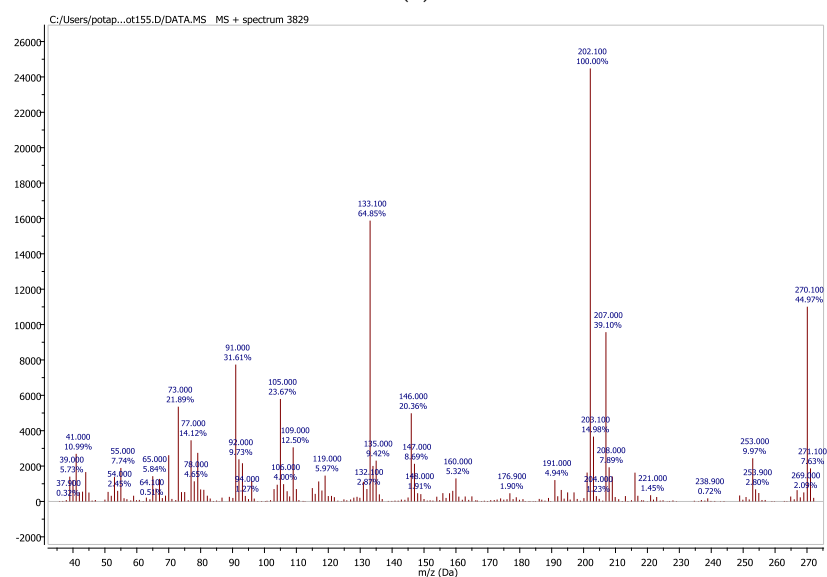


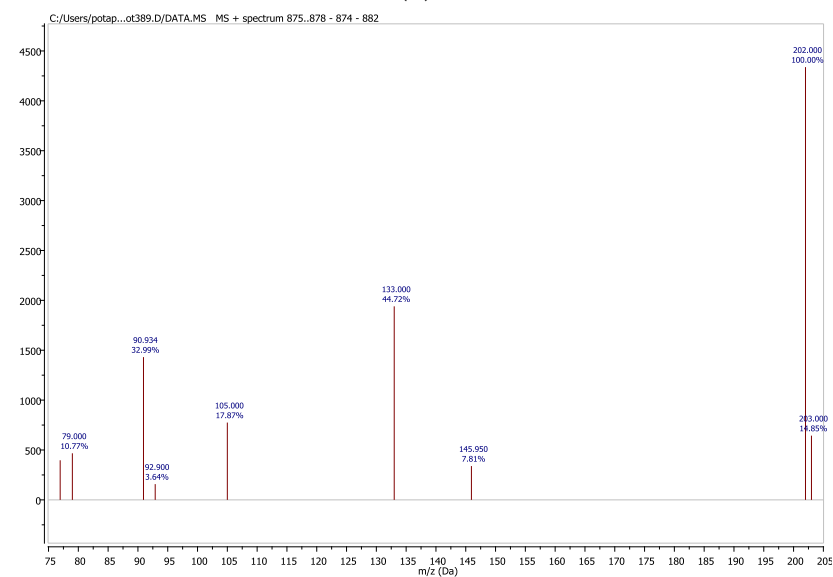
Figure S2. Gas chromatogram of product mixture of the reaction between 1,3-dibromoadamantane and 1,2,4-triazole. Peak integration results: 20.561 min – 7 % (compound **2**), 16.773 min – 89 % (compound **1**), 13.829 min (1-(1,2,4-triazol-1-yl)-3-bromoadamantane).



(a)



(b)



(c)

Figure S3. Electron-impact mass-spectra of 1,3-bis(1,2,4-triazol-1-yl)adamantane (a), 1-(1,2,4-triazol-1-yl)-3-(1,2,4-triazol-4-yl)adamantane (b) and 1-(1,2,4-triazol-1-yl)-3-bromoadamantane (c).

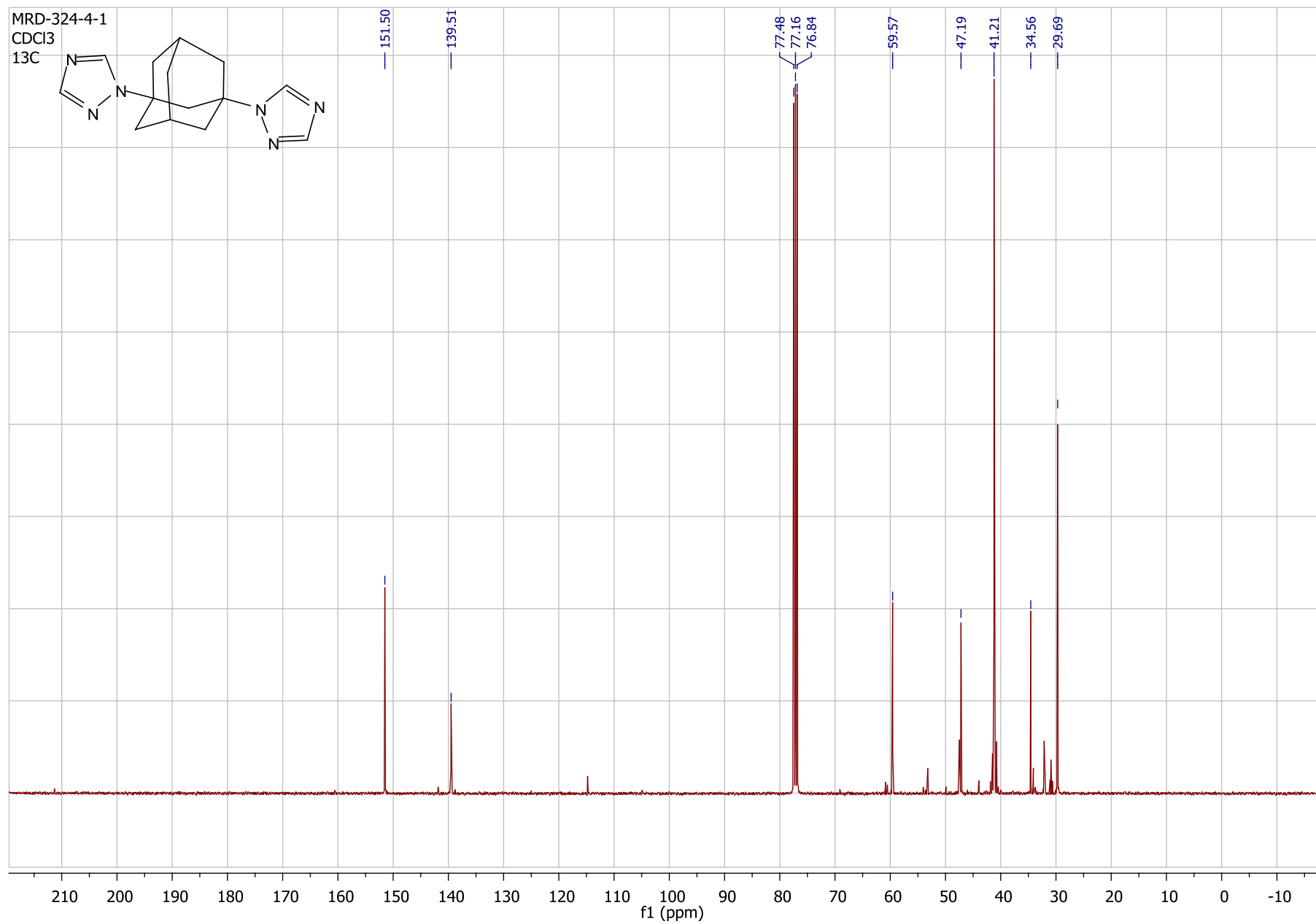


Figure S5. ¹³C-NMR spectrum of 1,3-bis(1,2,4-triazol-1-yl)adamantane (**1**).

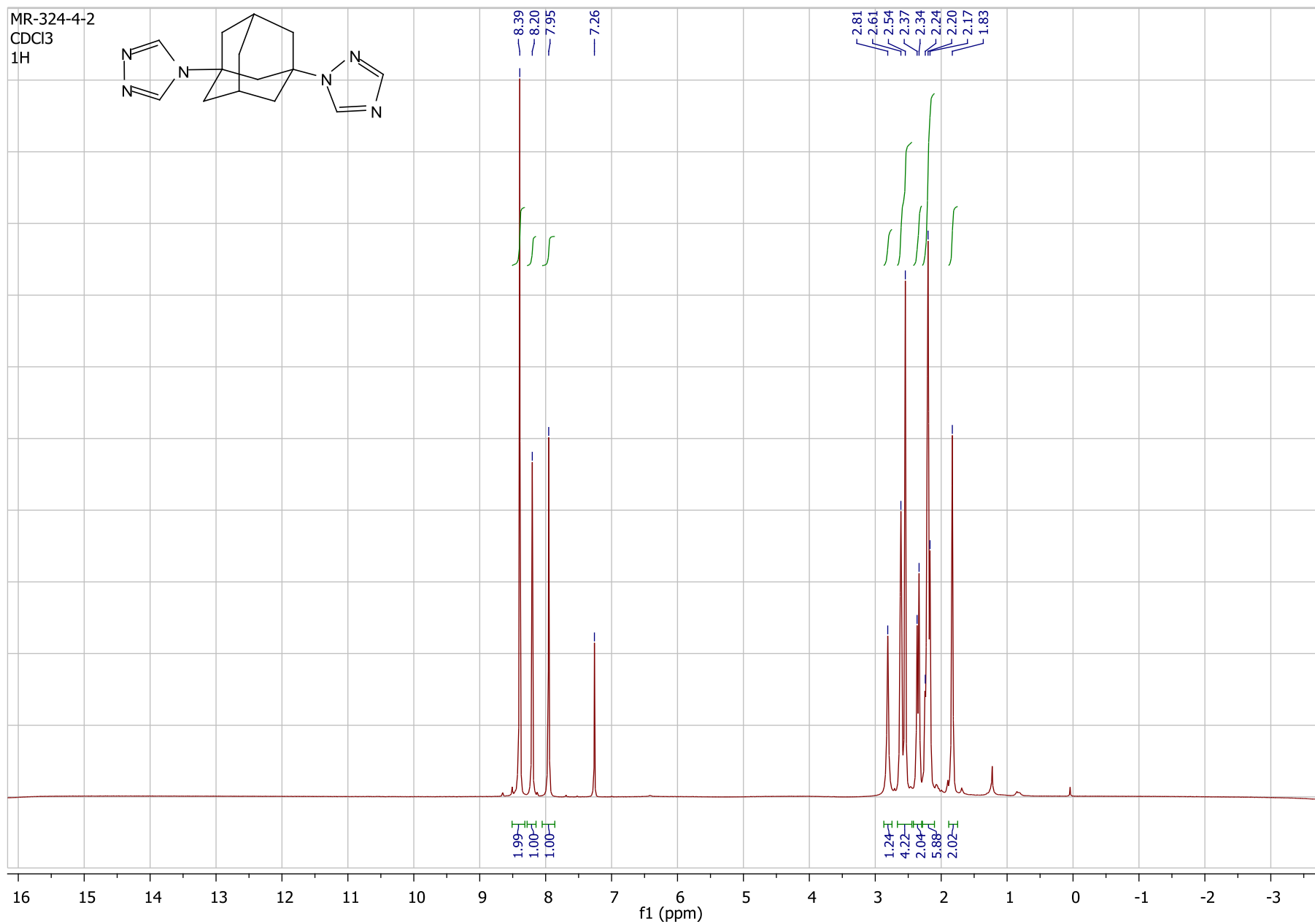


Figure S6. ¹H-NMR spectrum of 1-(1,2,4-triazol-1-yl)-3-(1,2,4-triazol-4-yl)adamantane (2).

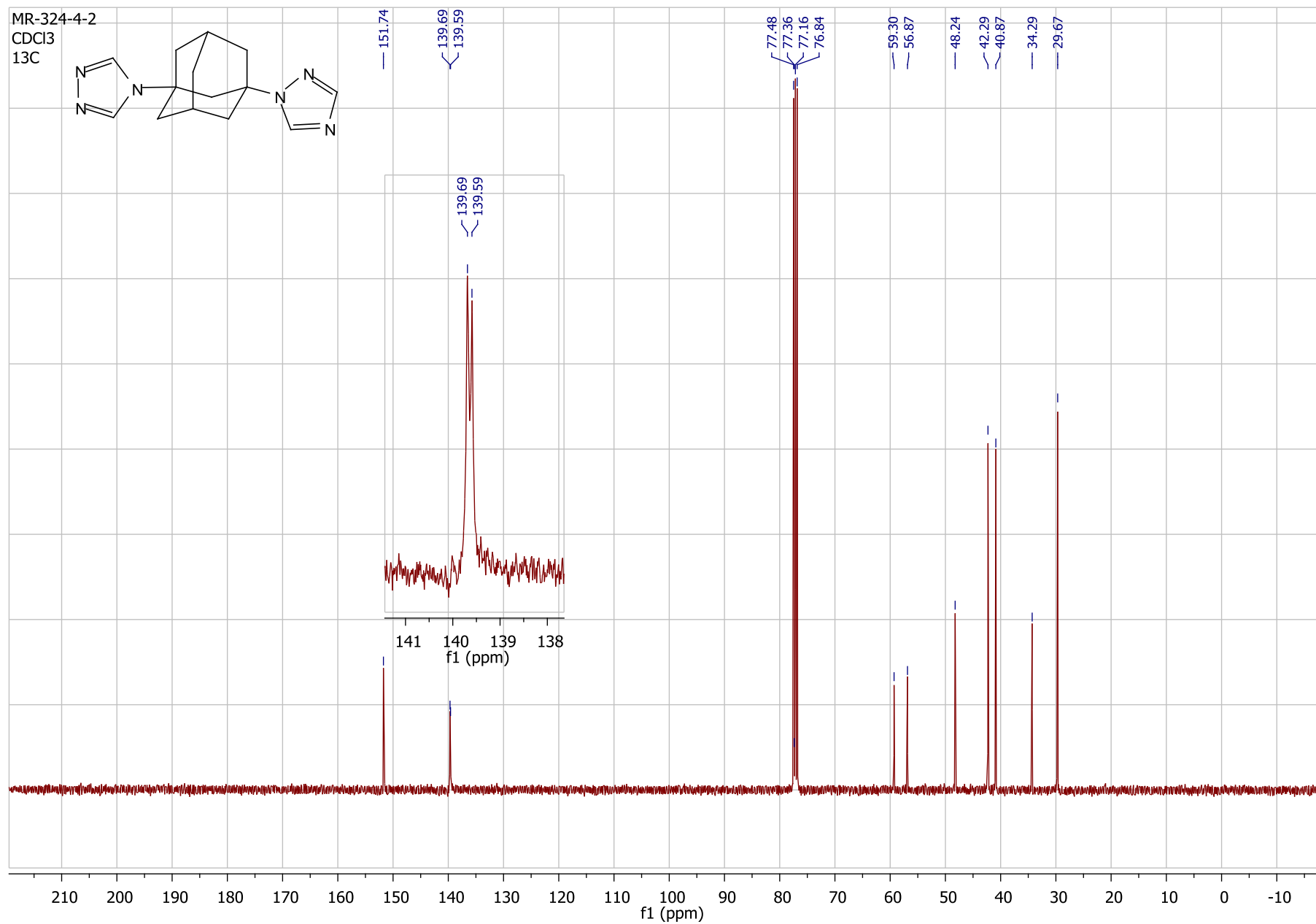


Figure S7. ¹³C-NMR spectrum of 1-(1,2,4-triazol-1-yl)-3-(1,2,4-triazol-4-yl)adamantane (2).