

## ***Supporting Information***

### **A one-pot six component reaction for the synthesis of 1,5-disubstituted tetrazol-1,2,3-triazoles hybrid and their cytotoxic activity against the MCF-7 cell line**

Cesia M. Aguilar-Morales<sup>1</sup>, Jorge G. Araujo-Huitrado<sup>2</sup>, Yamilé López-Hernandez<sup>3</sup>, Claudia Contreras-Celedón<sup>1</sup>, Alejandro Islas-Jácome<sup>4</sup>, Angelica Judith Granados-López<sup>2</sup>, Cesar Rogelio Solorio-Alvarado<sup>5</sup>, Jesús AdriánLópez<sup>2</sup>, Luis Chacón-García<sup>1,\*</sup>, and Carlos J. Cortés-García<sup>1,\*</sup>.

<sup>1</sup> Laboratorio de Diseño Molecular, Instituto de Investigaciones Químico-Biológicas, Universidad Michoacana de San Nicolás de Hidalgo. Ciudad Universitaria, C.P. 58033, Morelia, Michoacán, México; cesia\_aguilar@hotmail.com (C.M. A.-M.); claudia.contreras@umich.mx (C. C.-C.)

<sup>2</sup> Laboratorio de microRNAs y Cáncer, Universidad Autónoma de Zacatecas, Av. Preparatoria S/N, Agronómica, Campus II, C.P. 98066, Zacatecas, Zacatecas, México; aahj011871@uaz.edu.mx (J. G. A.-H.); agranadosjudith@gmail.com (A. J. G.-L.); jalopez@uaz.edu.mx (J. A.-L.)

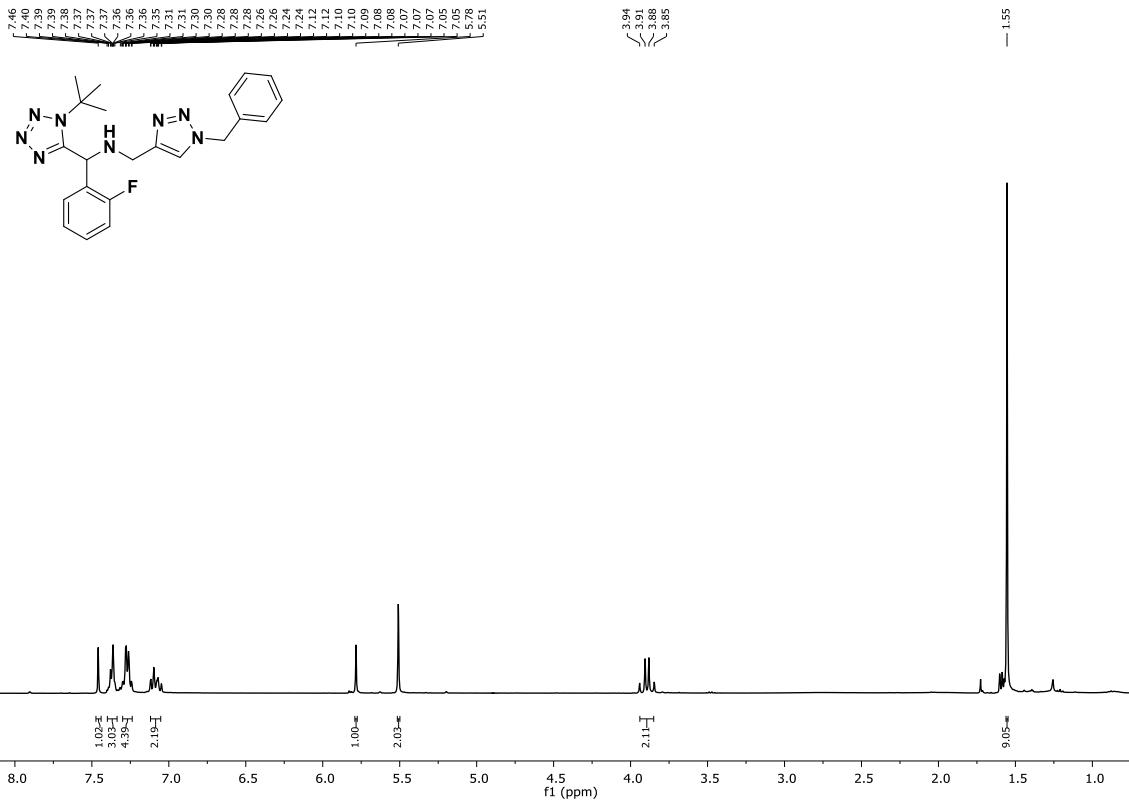
<sup>3</sup> Laboratorio de Metabolómica y Proteómica, Cátedra CONACYT, Universidad Autónoma de Zacatecas, Av. Preparatoria S/N, Agronómica, Campus II, C.P. 98066, Zacatecas, Zacatecas, México aahj011871@uaz.edu.mx (ylopezher@conacyt.mx (Y. L.-H.).

<sup>4</sup> Departamento de Química, Universidad Autónoma Metropolitana-Iztapalapa, San Rafael Atlixco 186, Col. Vicentina, C.P. 09340, Iztapalapa, Ciudad de México; aij@xanum.uam.mx (A. I.-J.)

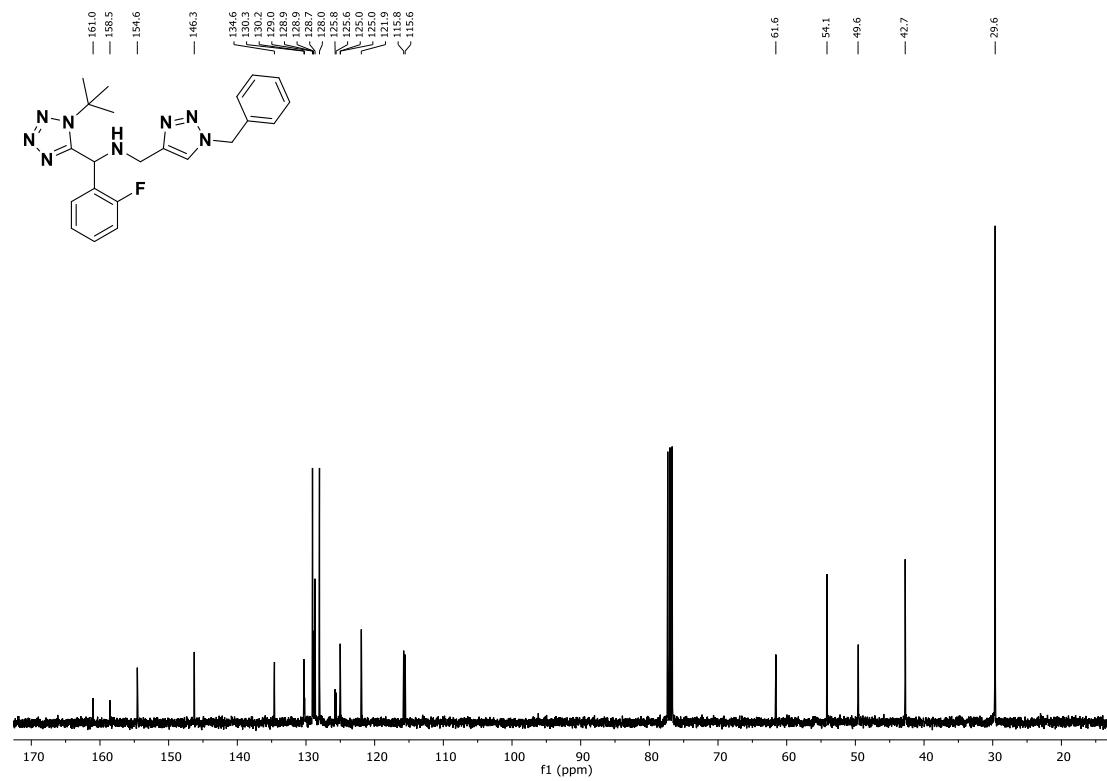
<sup>5</sup> Departamento de Química, Division de Ciencias Naturales y Exactas, Universidad de Guanajuato, Campus Guanajuato, Noria Alta S/N, 36050, Guanajuato, Guanajuato, México; csolorio@ugto.mx (C. R. S.-A.)

## **TABLE OF CONTENTS**

NMR spectra of the products **13a-o**

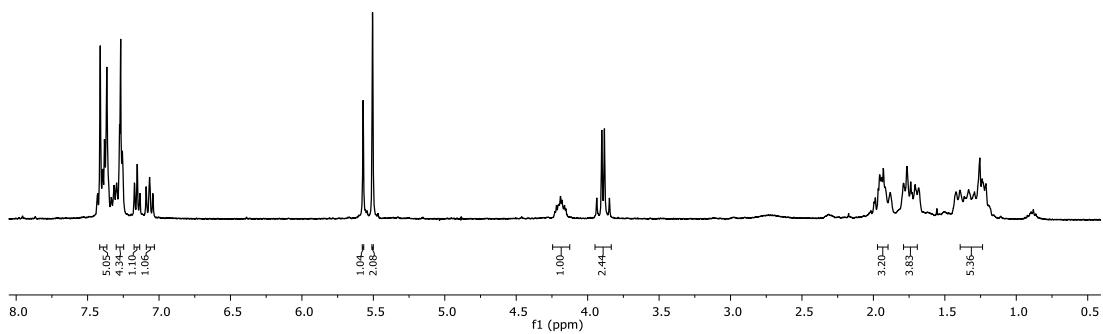
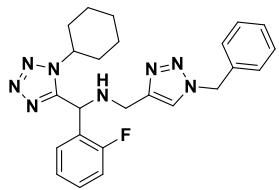


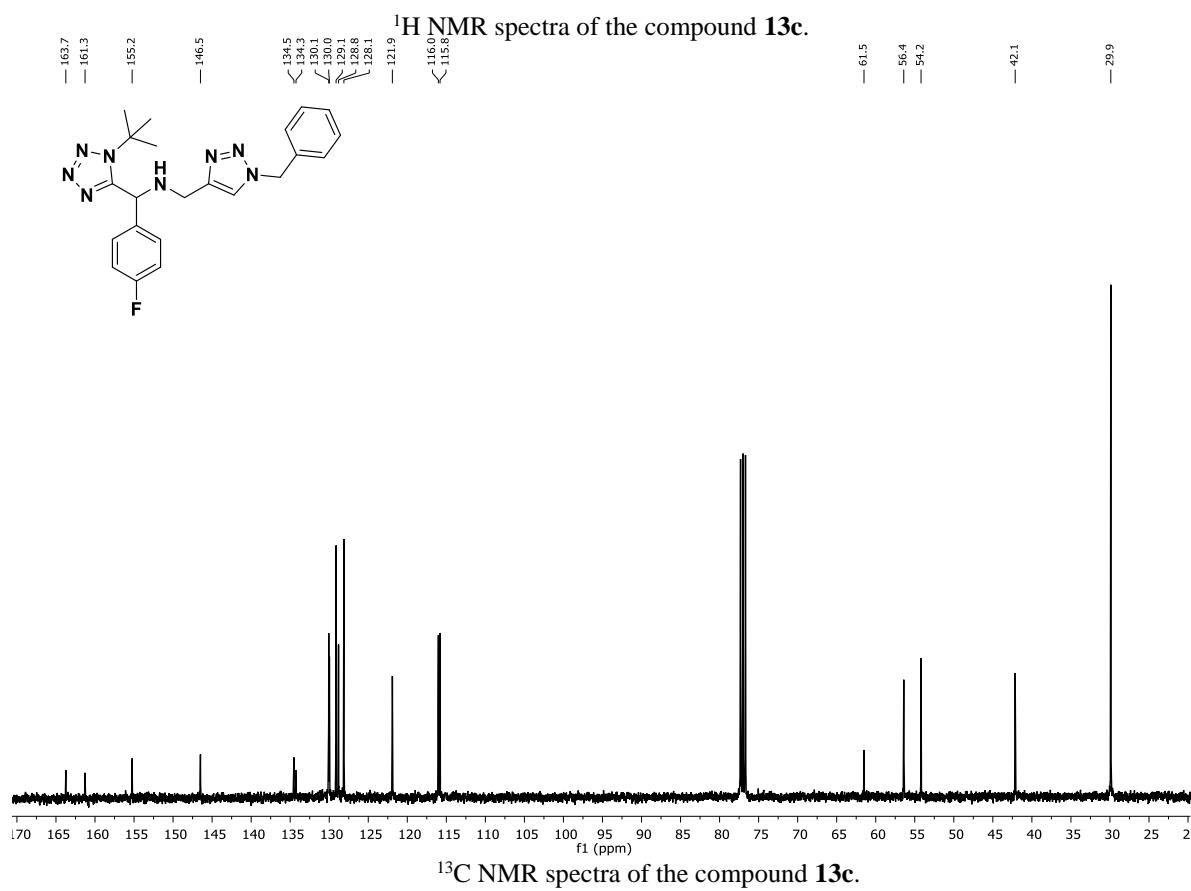
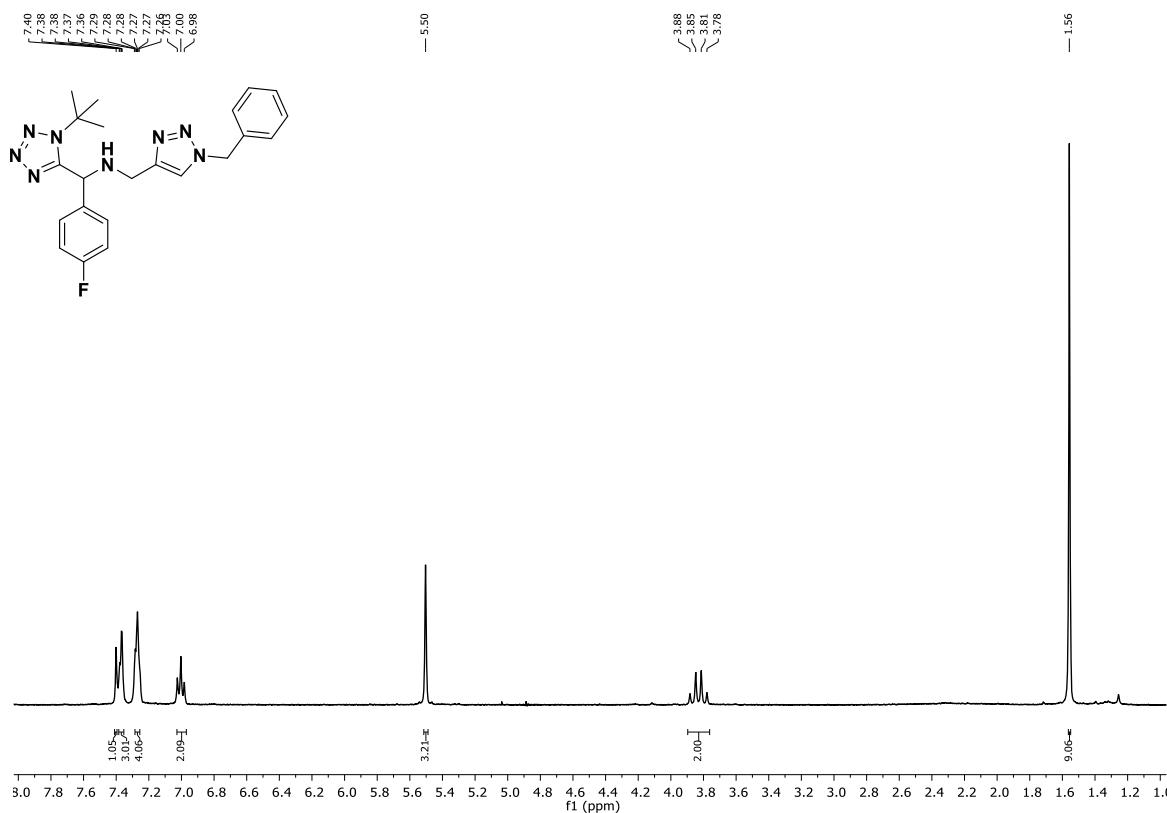
<sup>1</sup>H NMR spectra of the compound **13a**

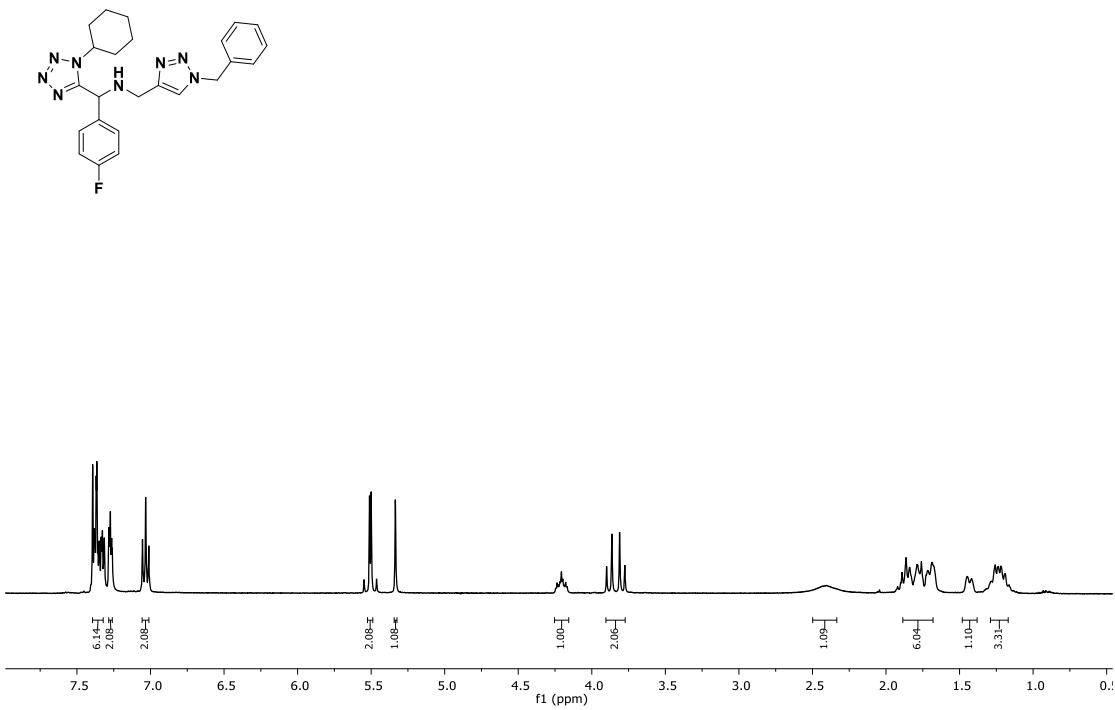
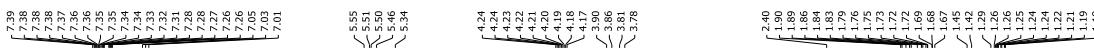


<sup>13</sup>C NMR spectra of the compound **13a**

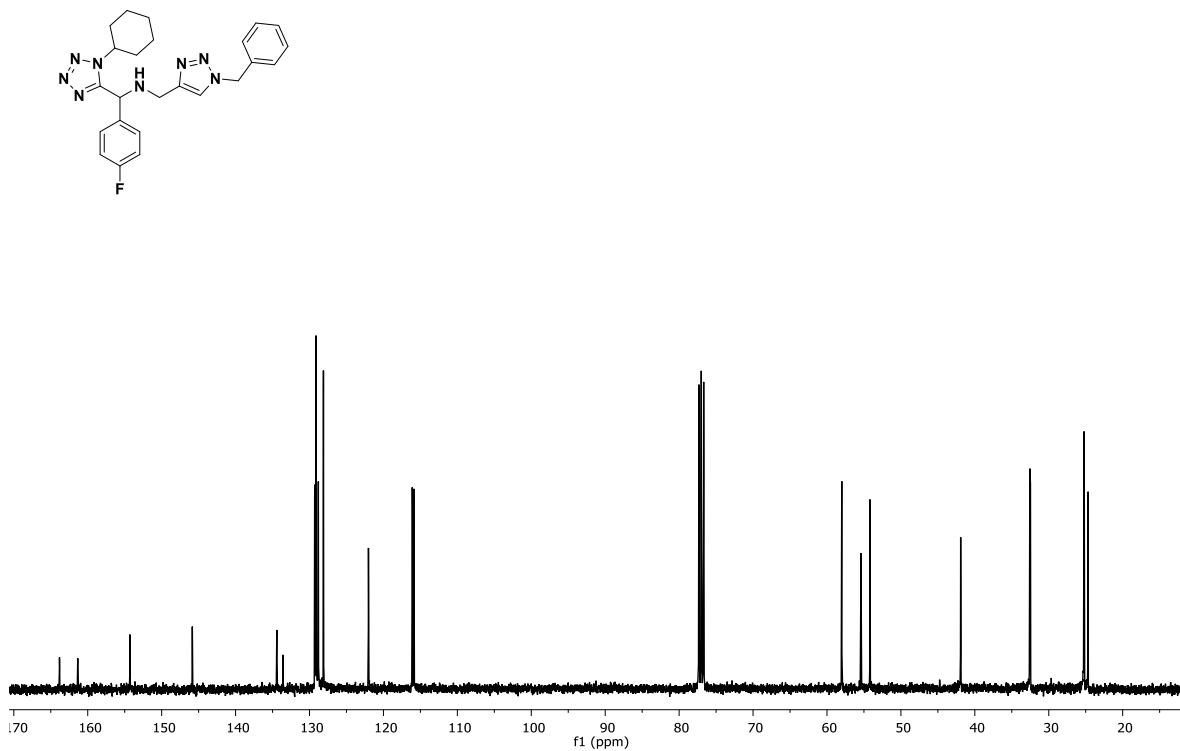
7.41  
7.38  
7.37  
7.36  
7.31  
7.30  
7.28  
7.27  
7.26  
7.25  
7.17  
7.15  
7.13  
7.09  
7.07  
7.07  
7.06  
7.04



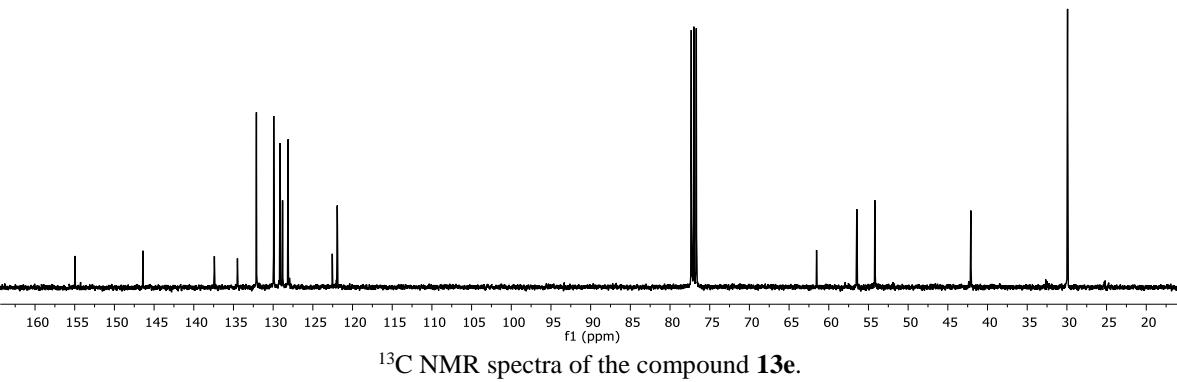
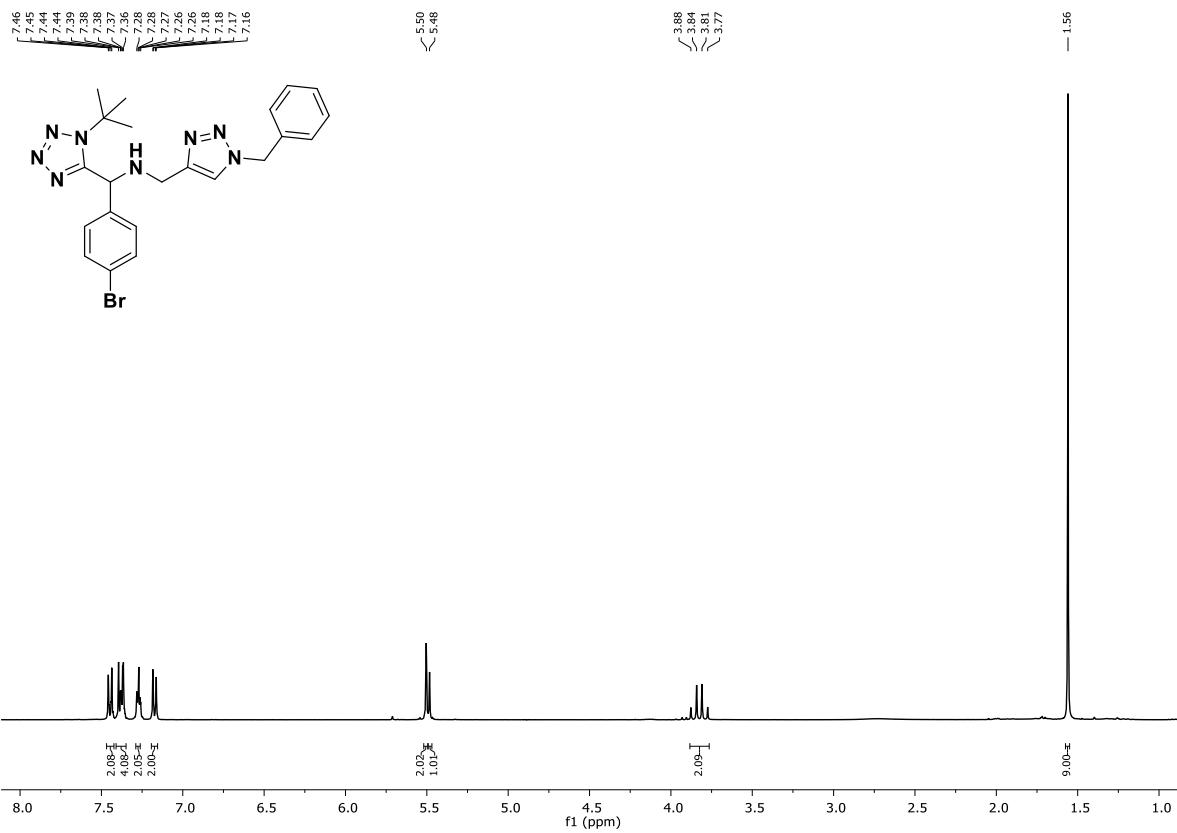


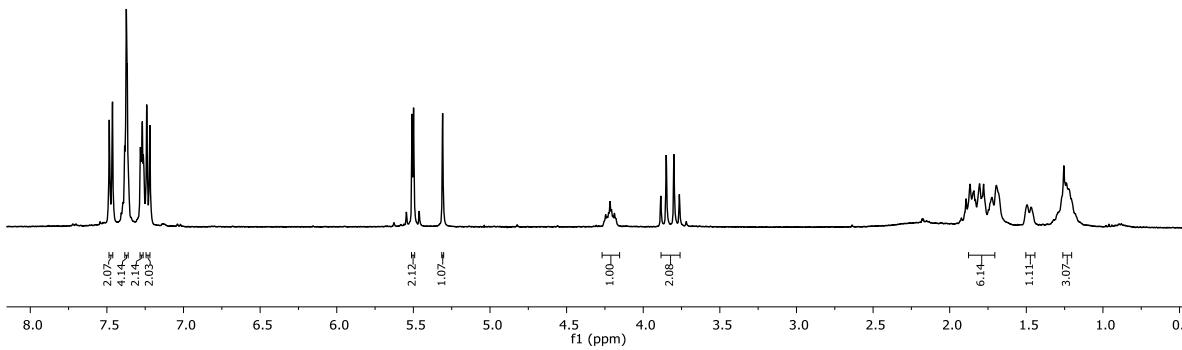
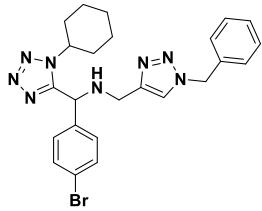


<sup>1</sup>H NMR spectra of the compound 13d.

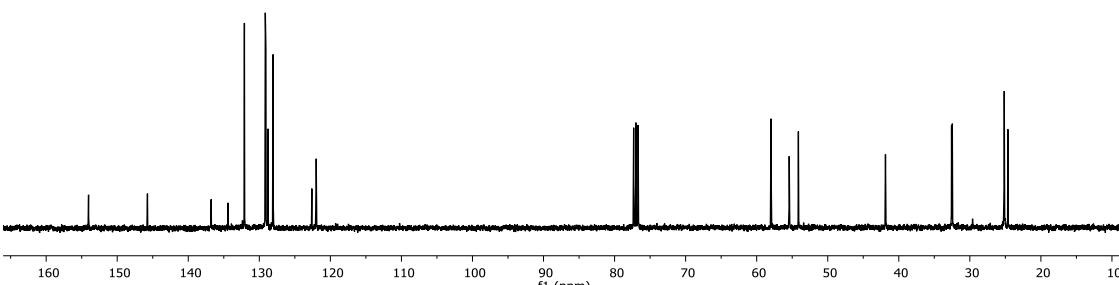
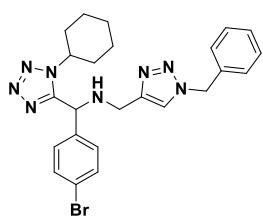
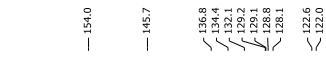


<sup>13</sup>C NMR spectra of the compound 13d.

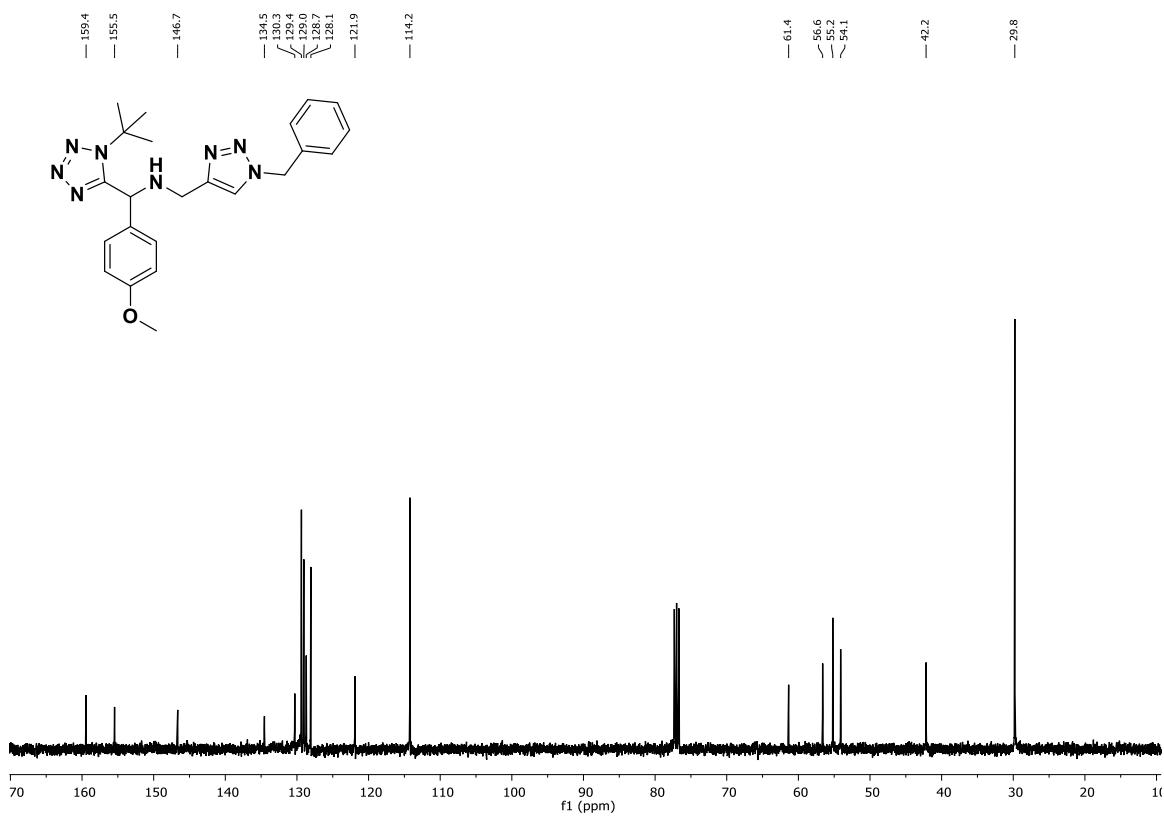
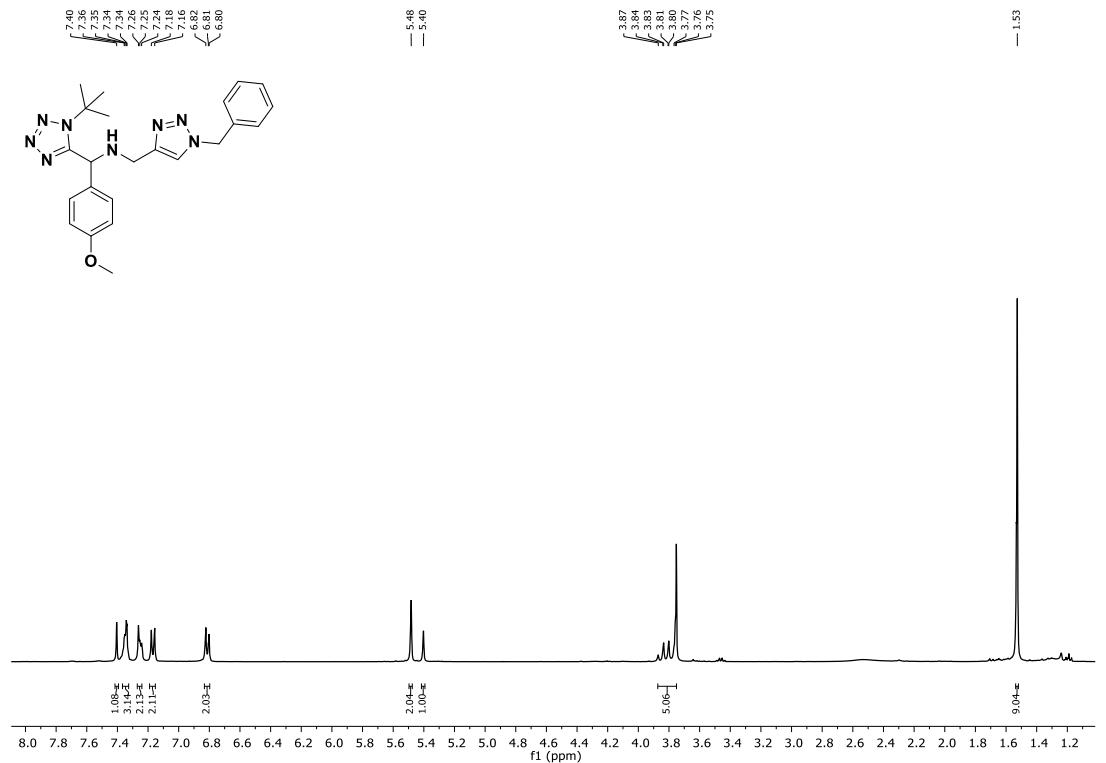


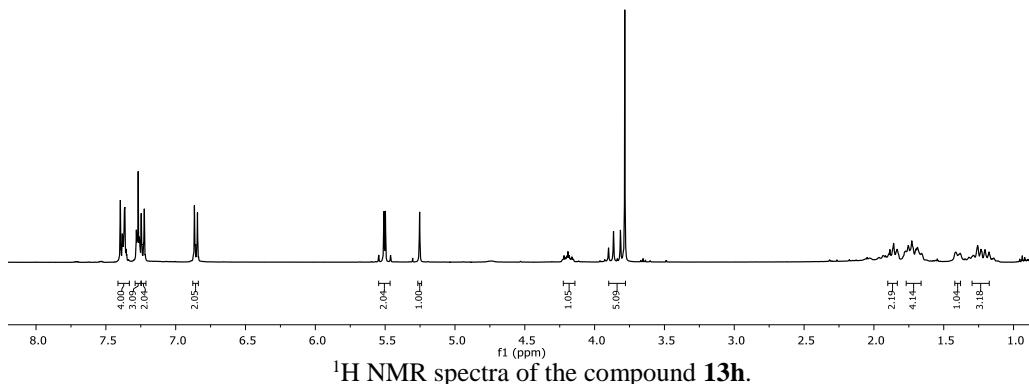
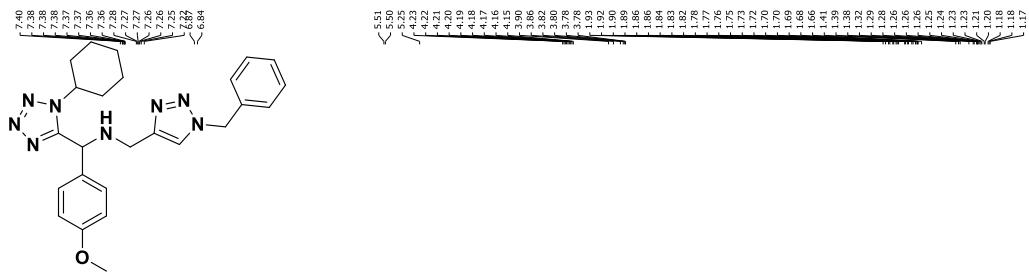


<sup>1</sup>H NMR spectra of the compound **13f**.

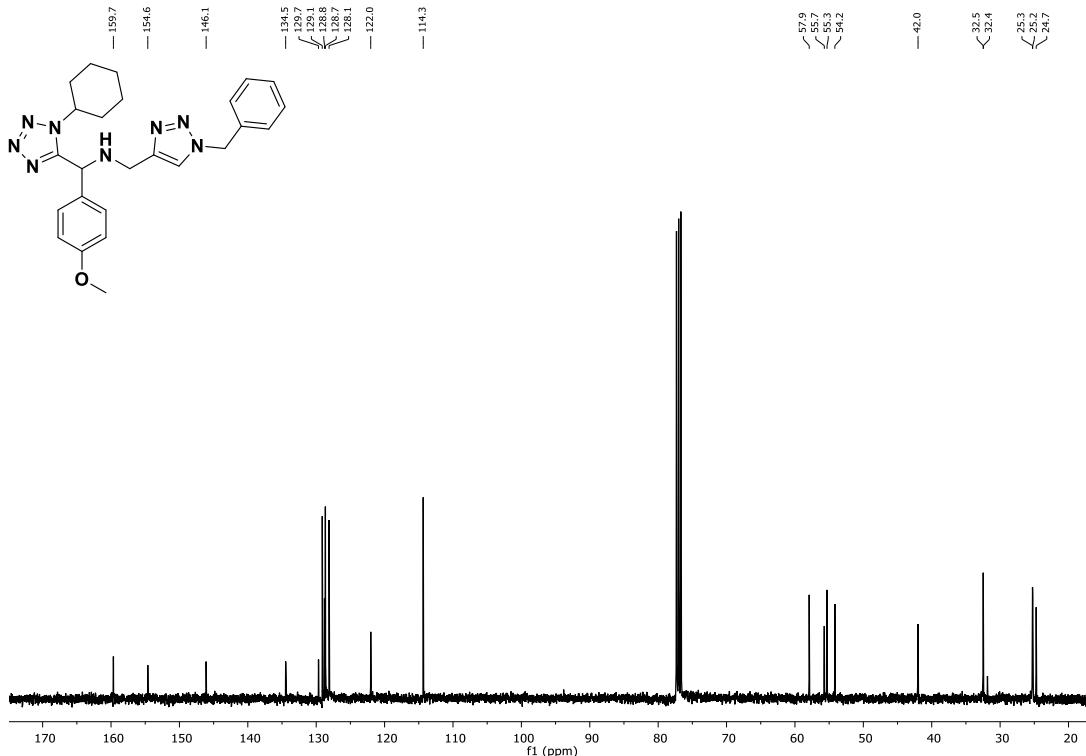


<sup>13</sup>C NMR spectra of the compound **13f**.

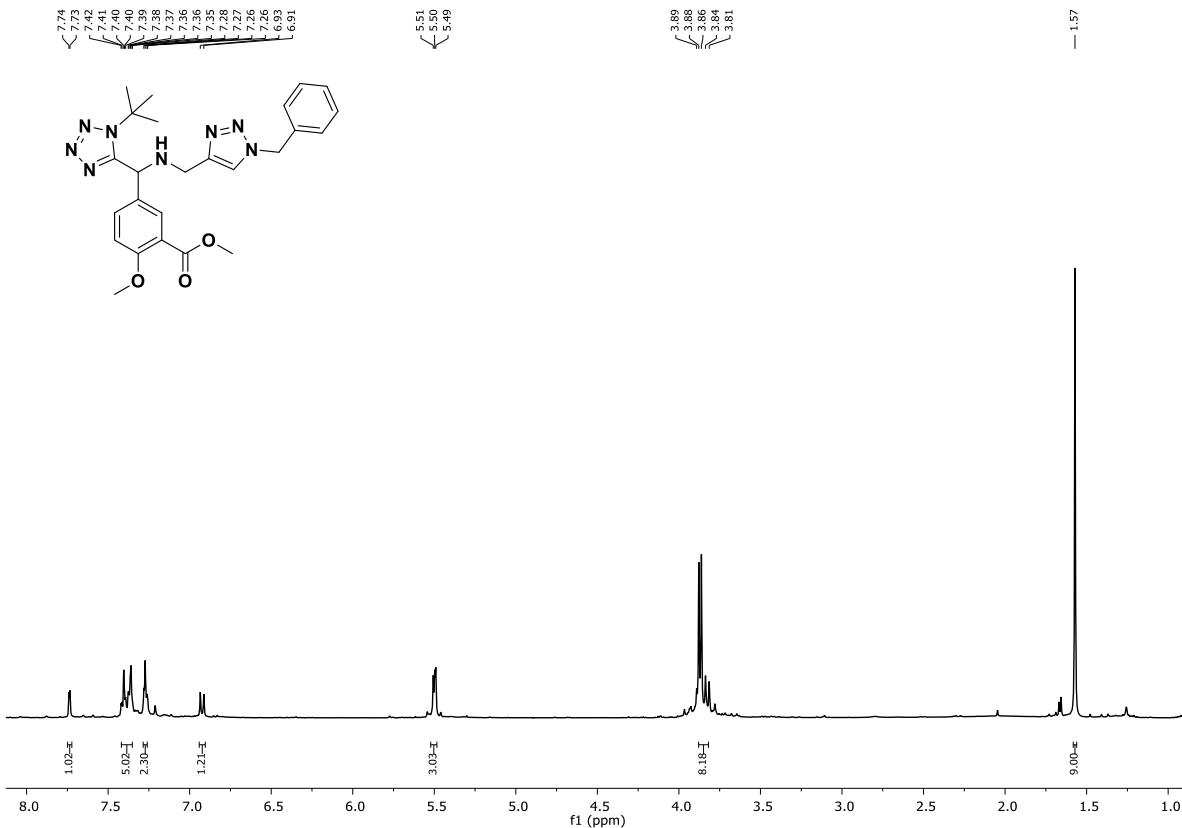




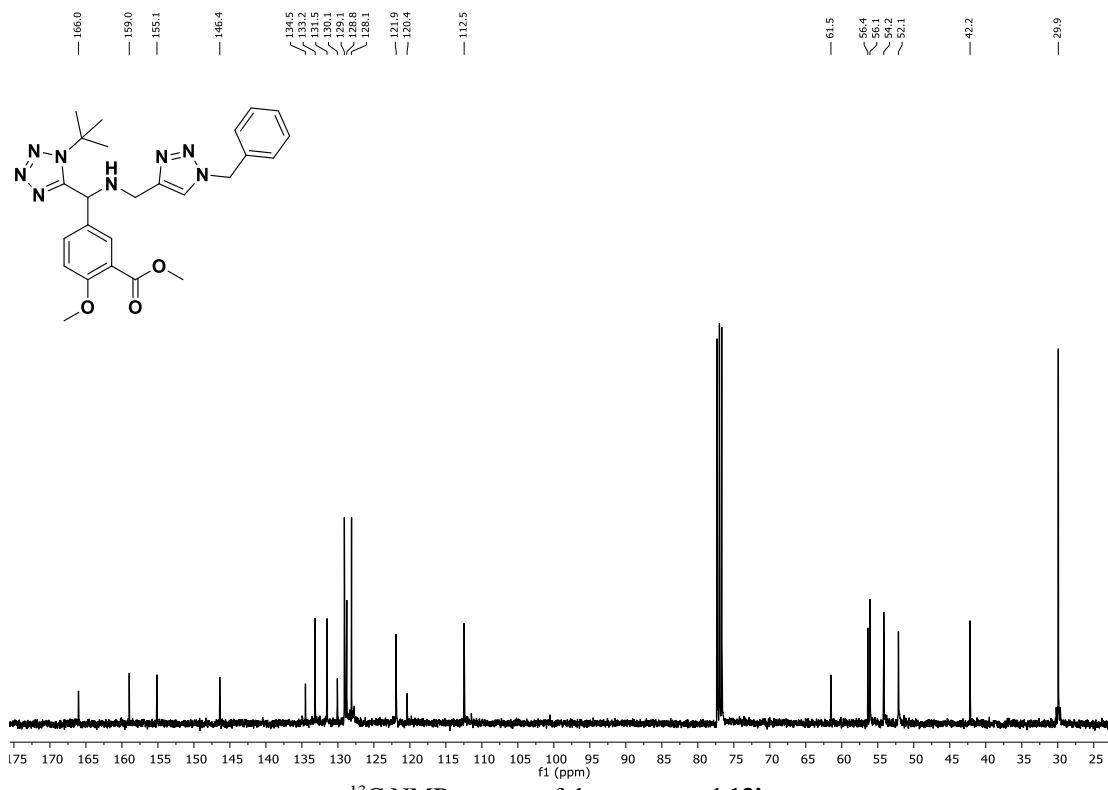
<sup>1</sup>H NMR spectra of the compound **13h**.



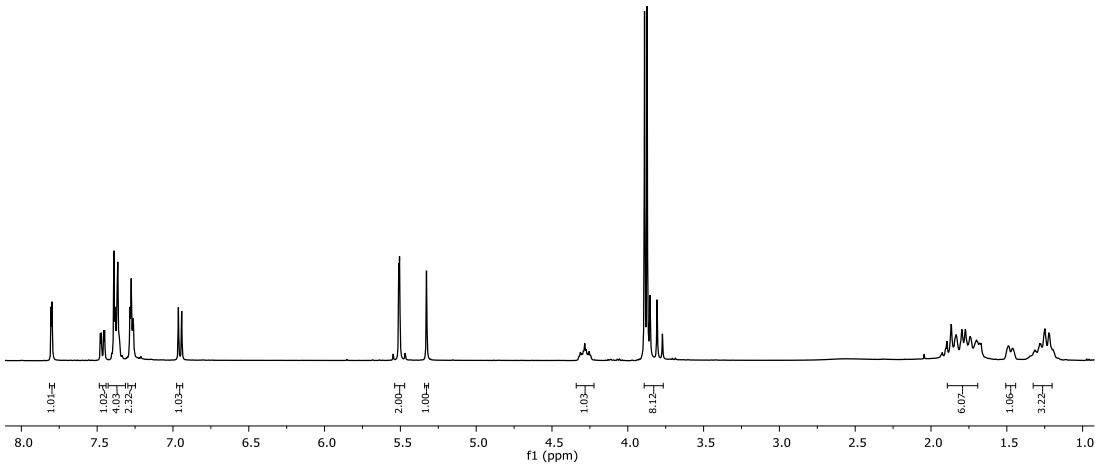
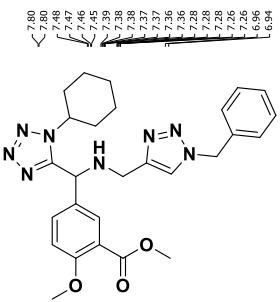
<sup>13</sup>C NMR spectra of the compound **13h**.



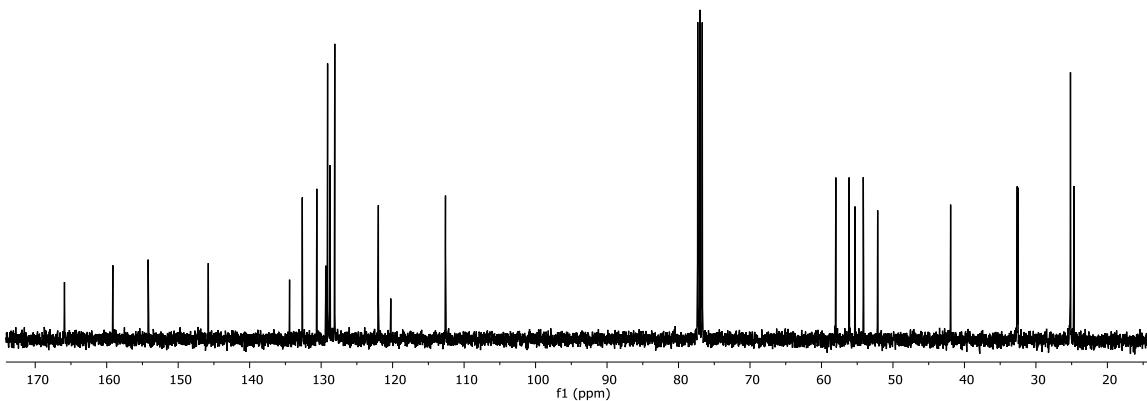
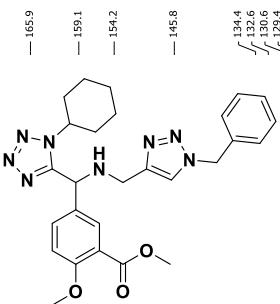
$^1\text{H}$  NMR spectra of the compound **13i**.



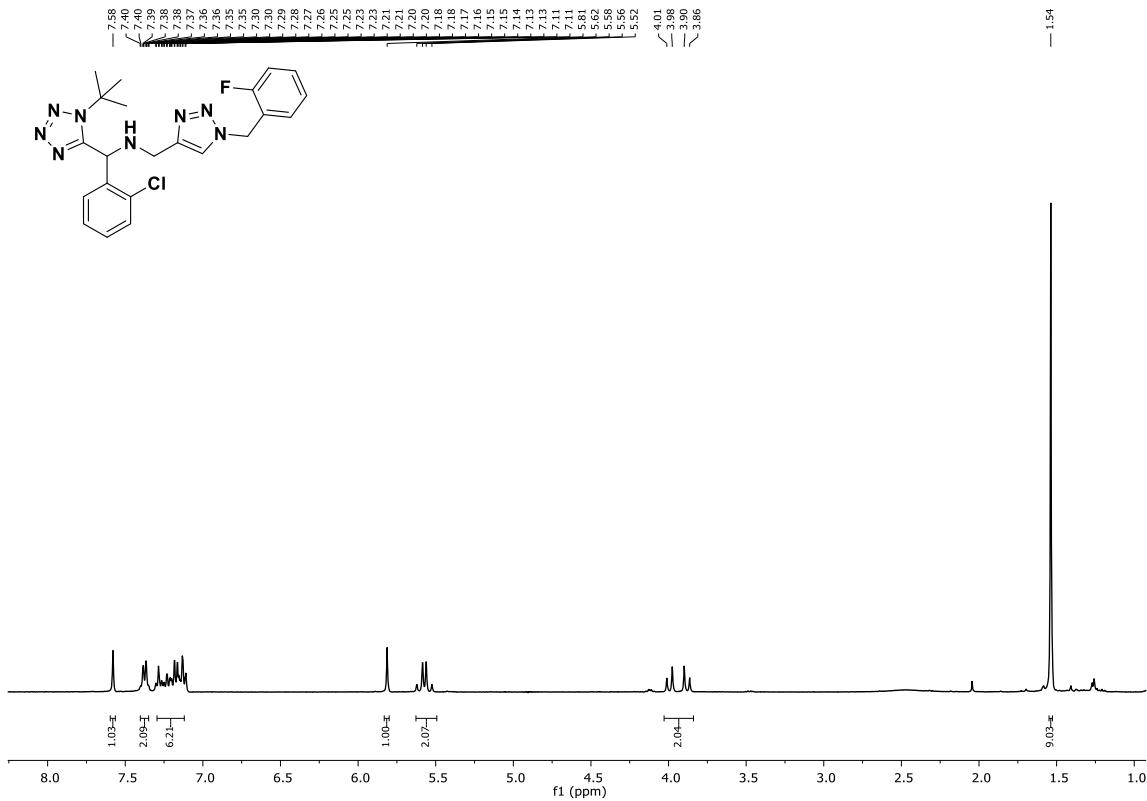
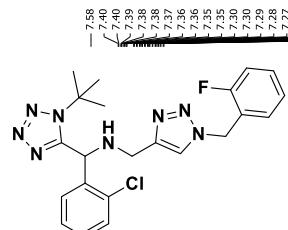
$^{13}\text{C}$  NMR spectra of the compound **13i**.



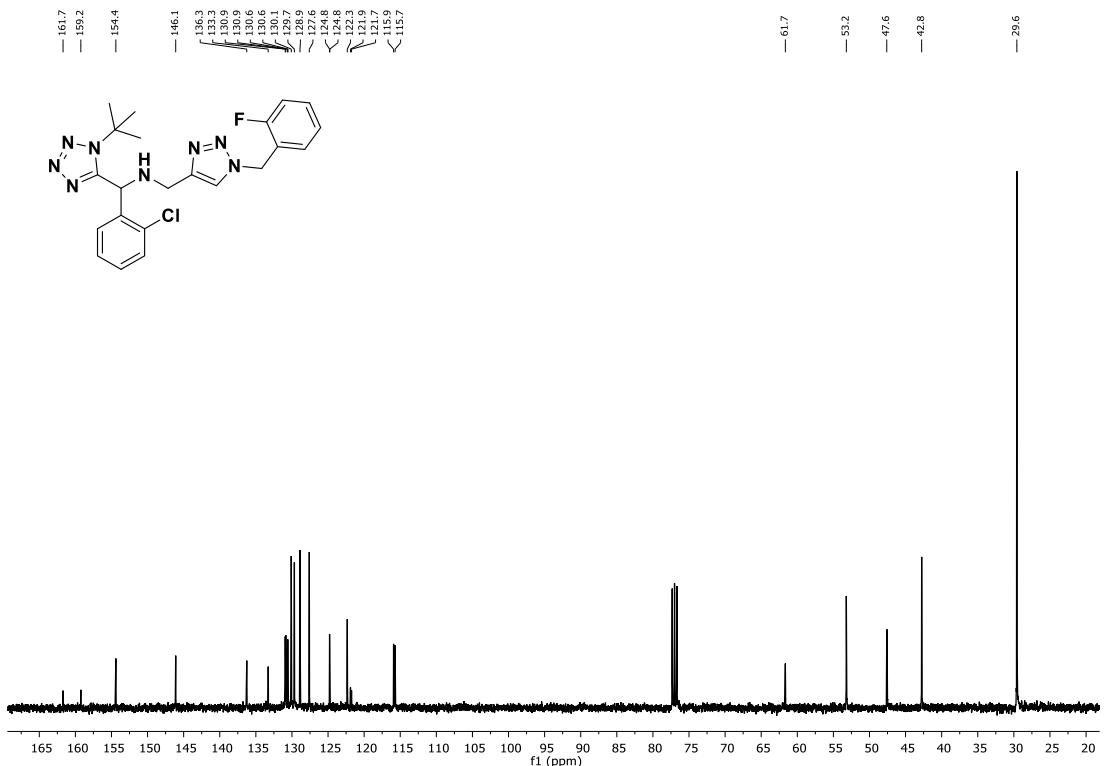
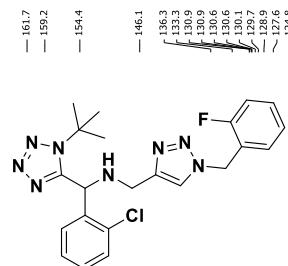
<sup>1</sup>H NMR spectra of the compound **13j**.



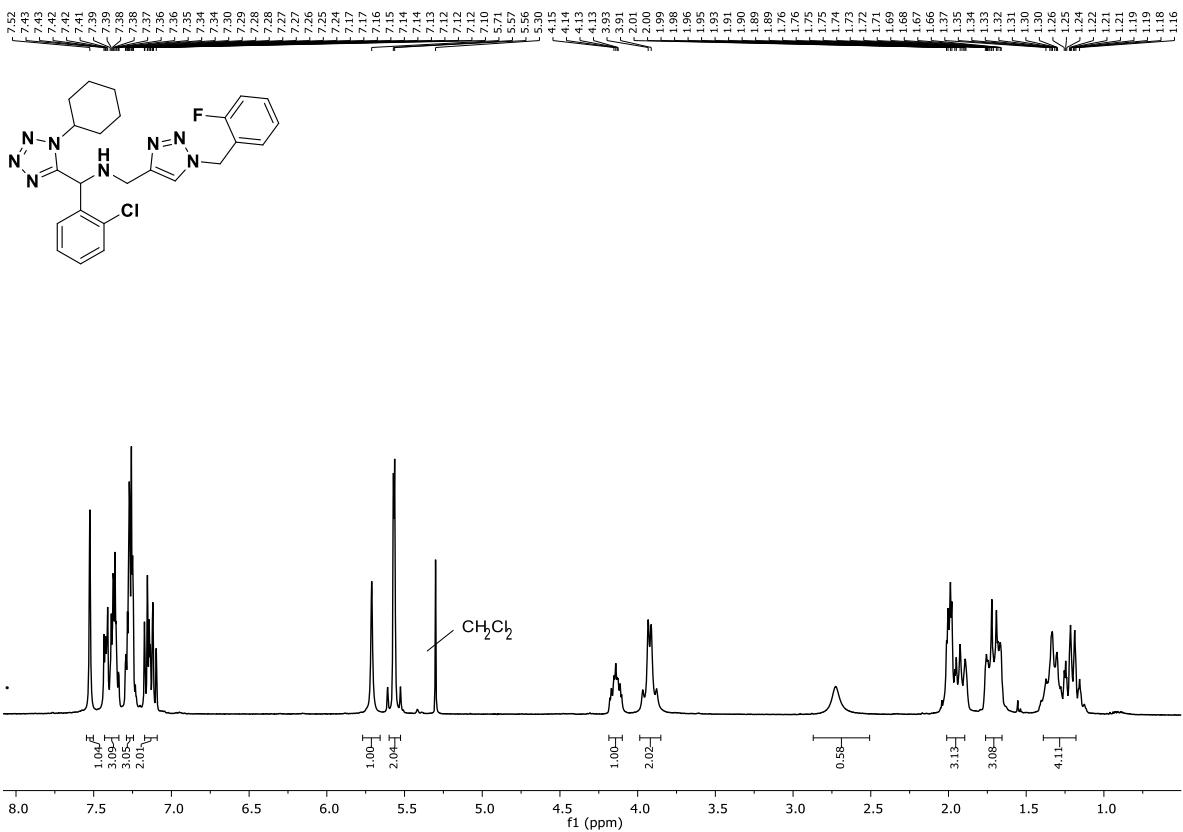
<sup>13</sup>C NMR spectra of the compound **13j**.



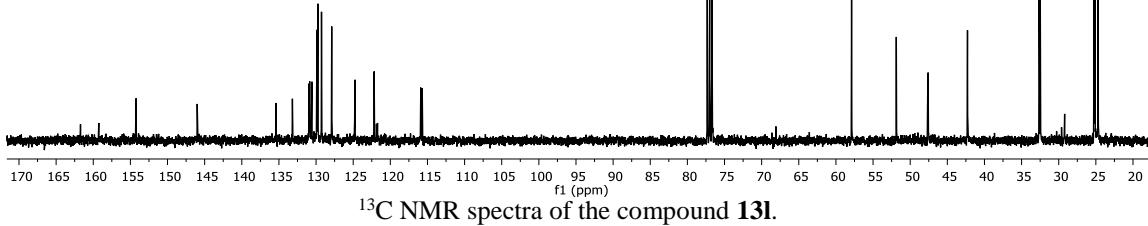
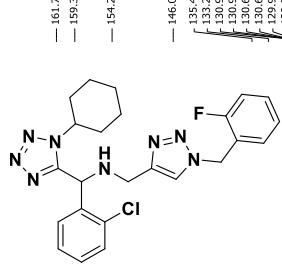
<sup>1</sup>H NMR spectra of the compound **13k**.

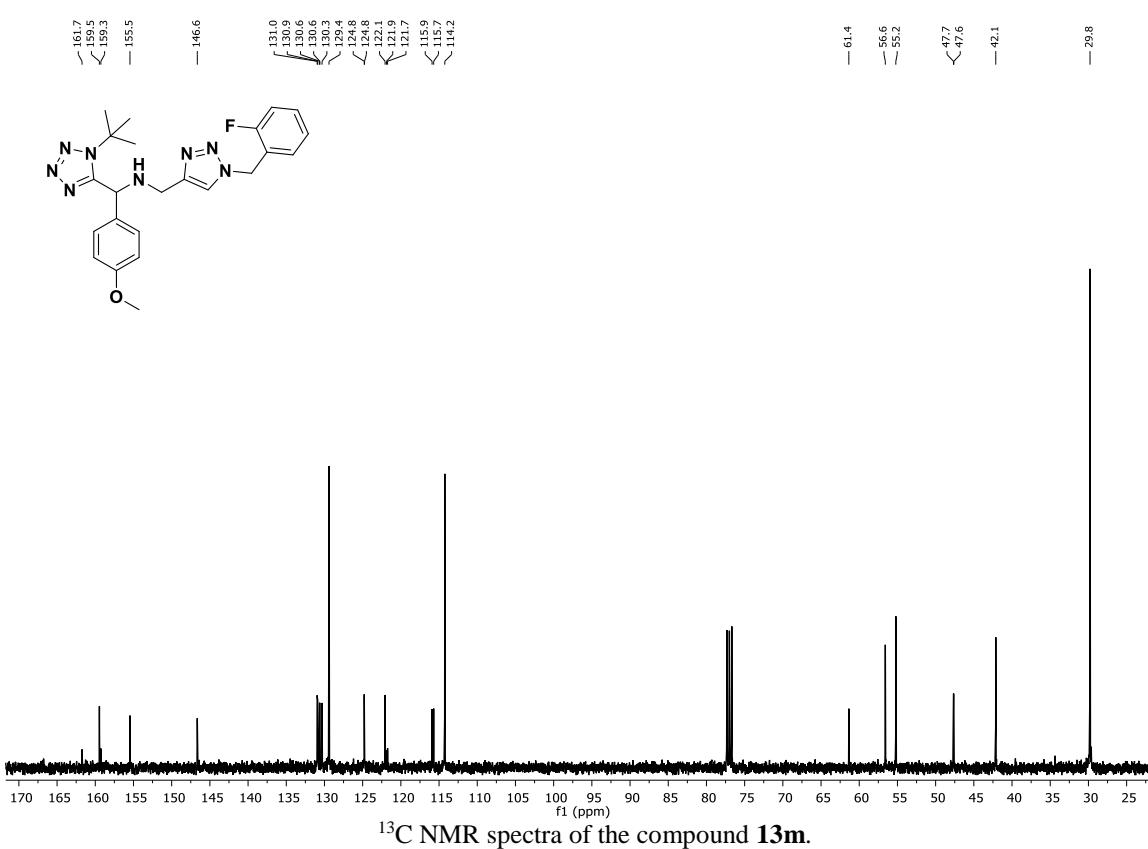
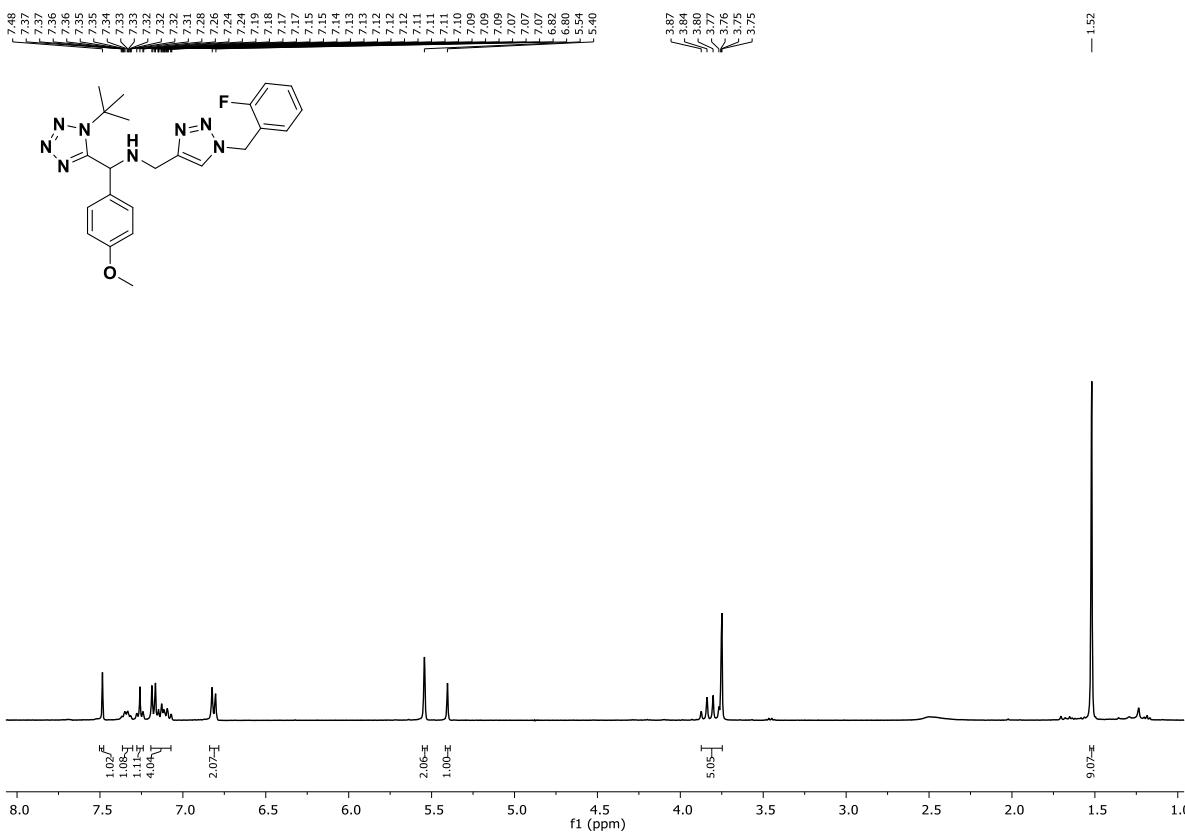


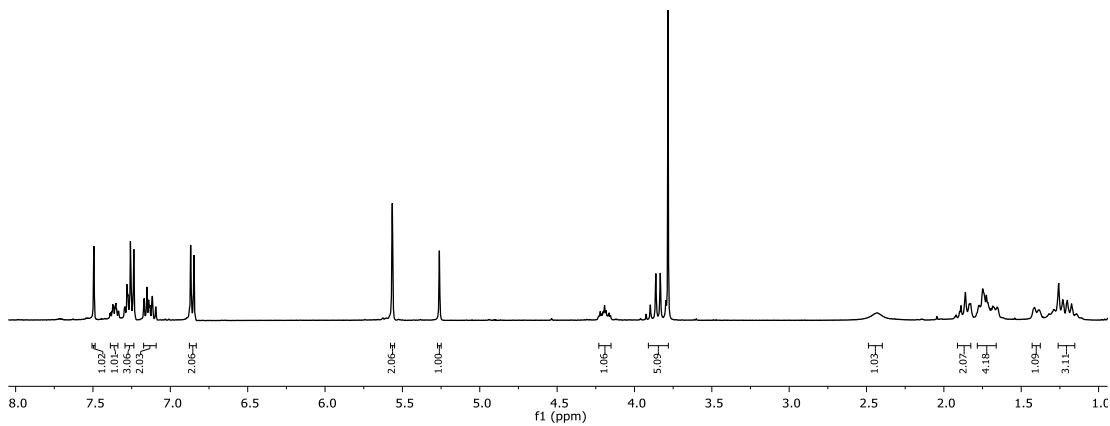
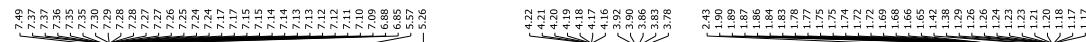
<sup>13</sup>C NMR spectra of the compound **13k**.



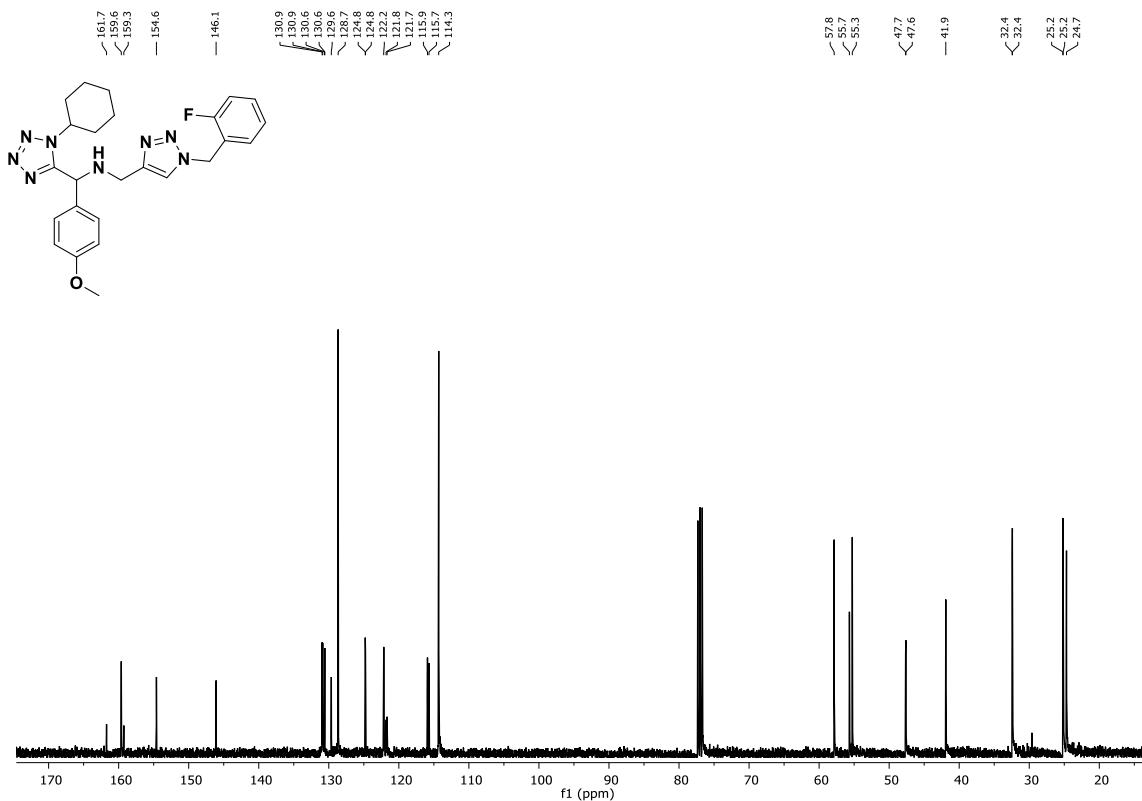
### H NMR spectra of the compound **13l**.



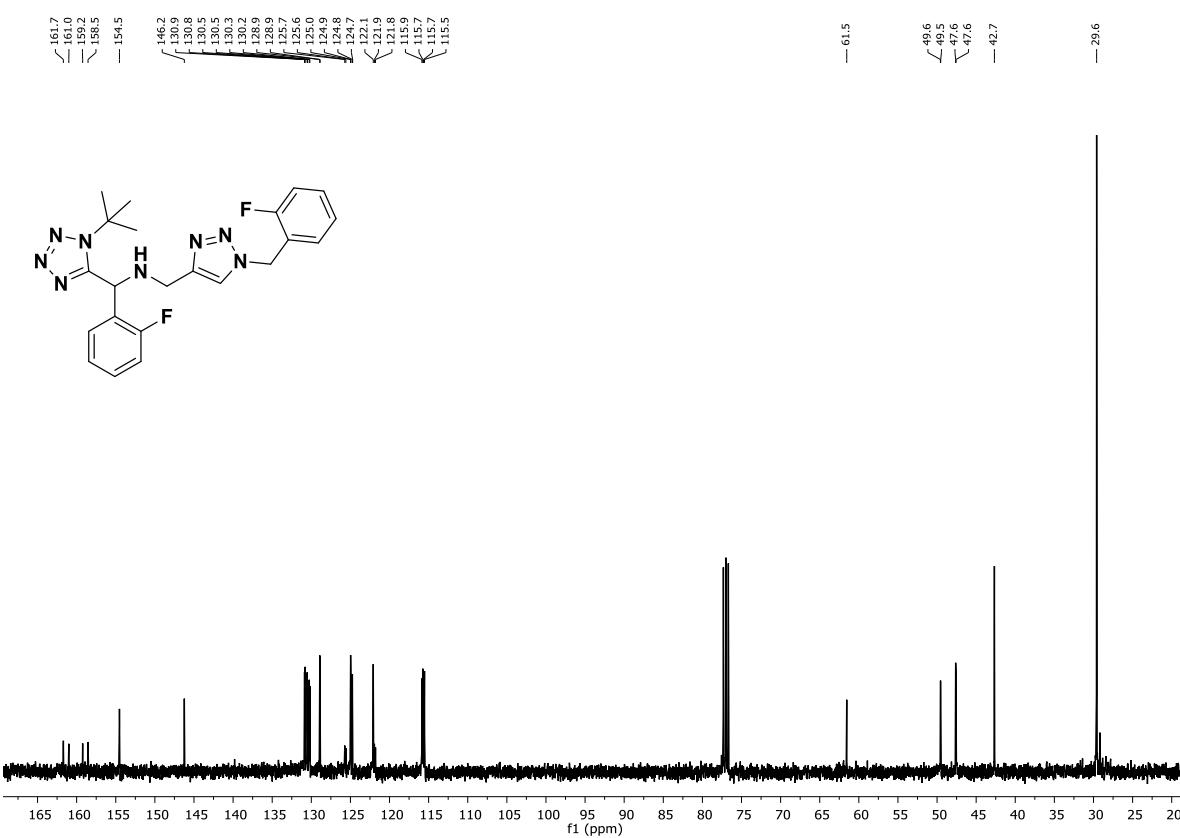
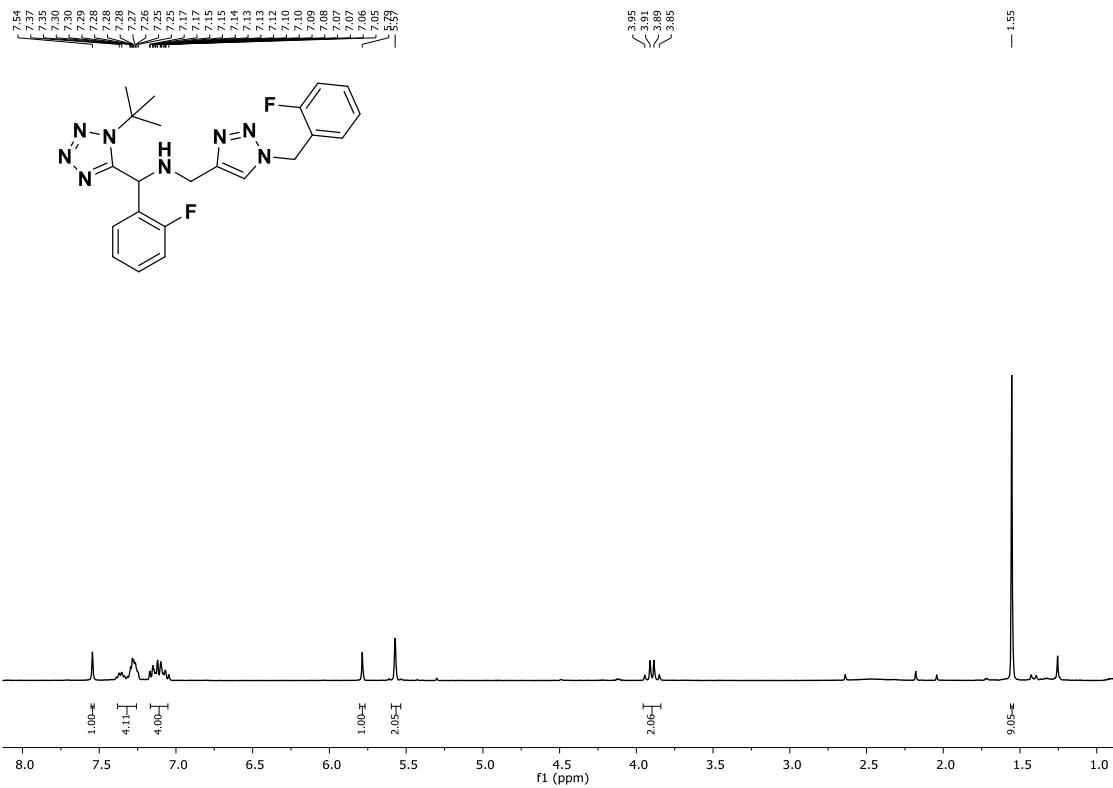




$^1\text{H}$  NMR spectra of the compound 13n.



$^{13}\text{C}$  NMR spectra of the compound 13n.



<sup>13</sup>C NMR spectra of the compound **13o**.