

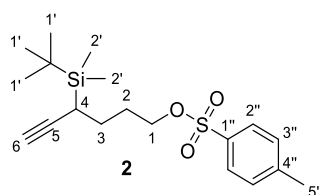
# Synthesis of 4-(*tert*-butyldimethylsilyl)hex-5-yn-1-yl 4-methylbenzenesulfonate (2)

Rasma Kronkalne<sup>1</sup>, Rūdolfs Beļauņieks<sup>1</sup>, and Māris Turks<sup>1\*</sup>

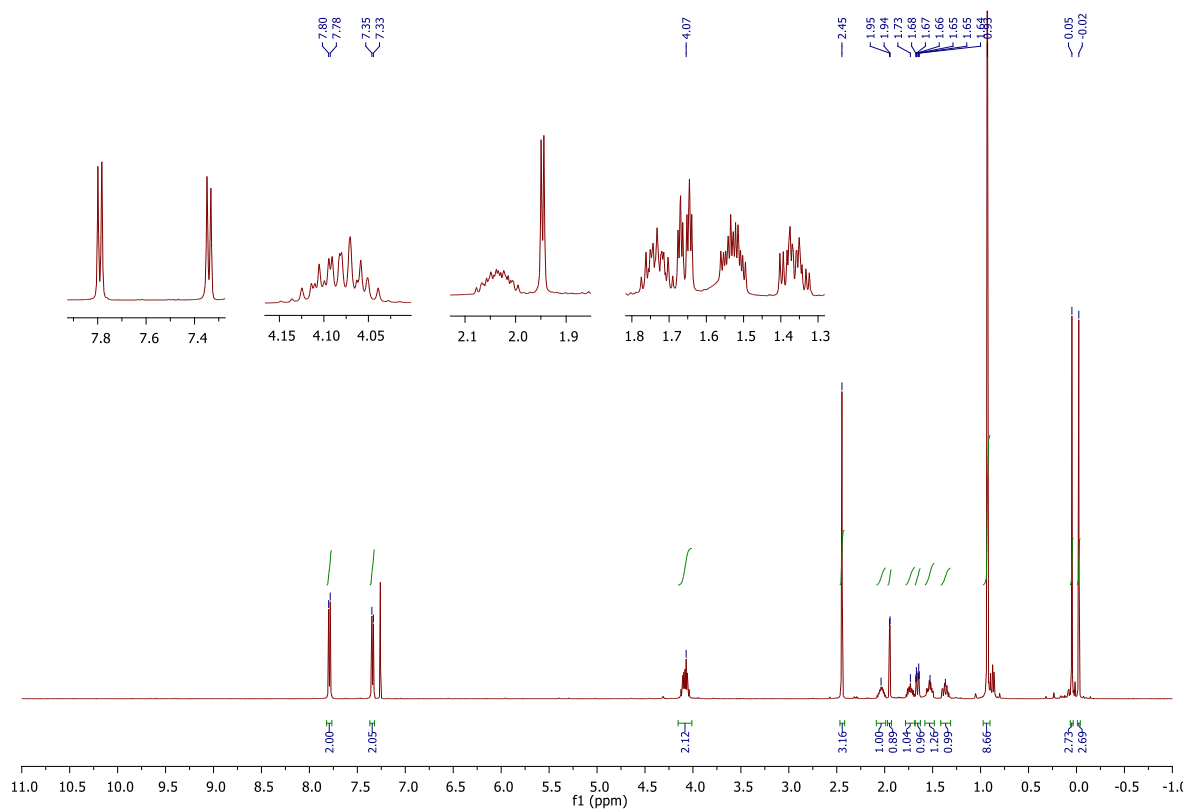
<sup>1</sup> Institute of Technology of Organic Chemistry, Faculty of Materials Science and Applied Chemistry, Riga Technical University, P. Valdena Str. 3, Riga 1048, Latvia, maris.turks@rtu.lv

## Supporting information

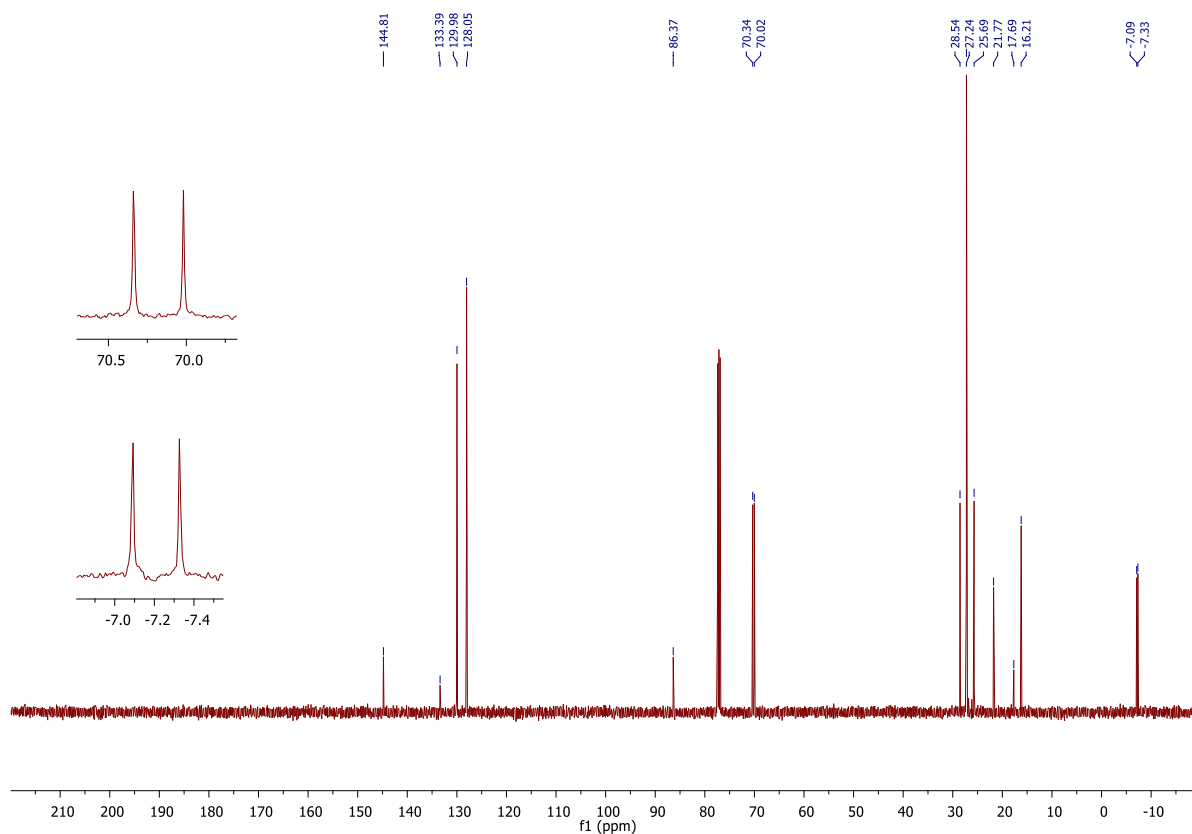
4-(*tert*-Butyldimethylsilyl)hex-5-yn-1-yl 4-methylbenzenesulfonate (2)



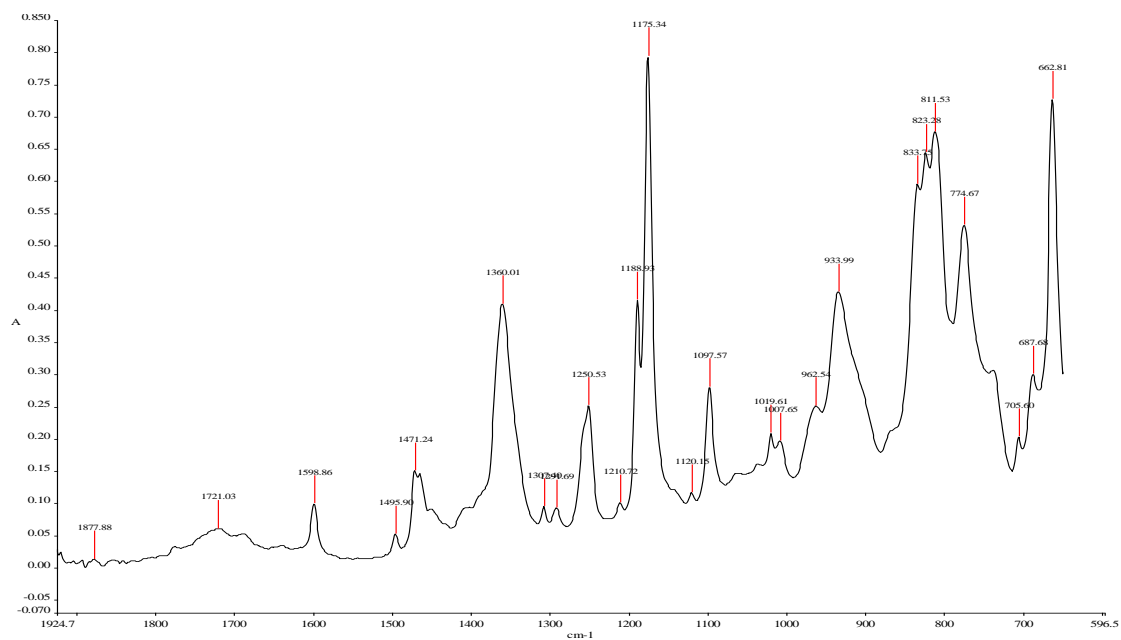
<sup>1</sup>H-NMR (500 MHz, CDCl<sub>3</sub>) spectra for compound 2



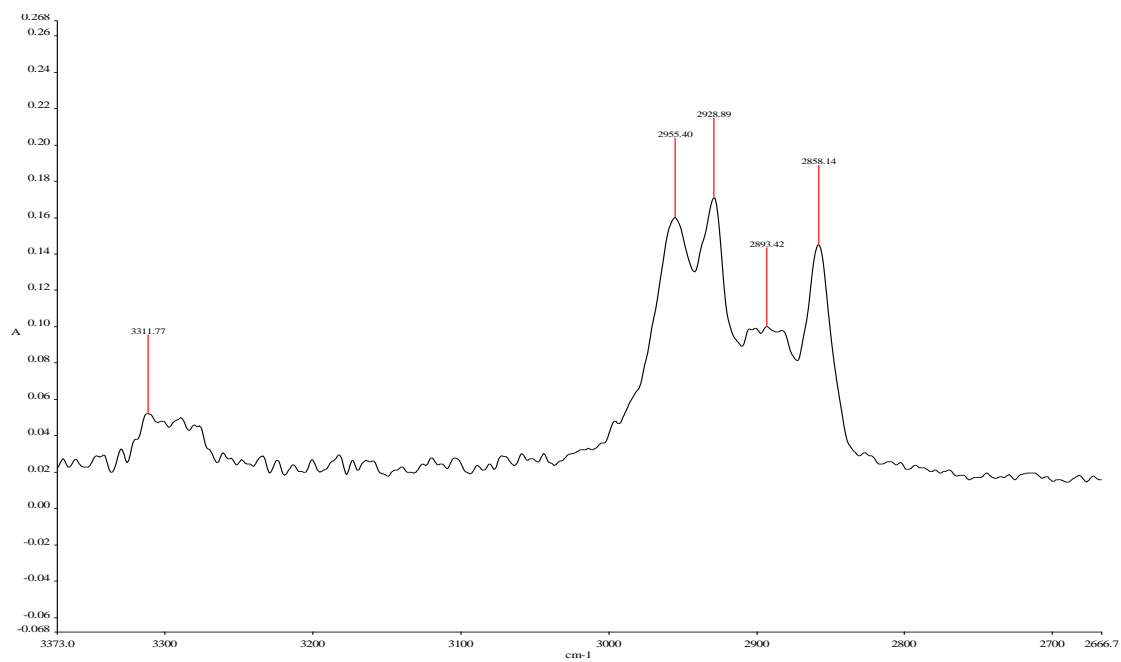
<sup>13</sup>C-NMR (126 MHz, CDCl<sub>3</sub>) spectra for compound 2



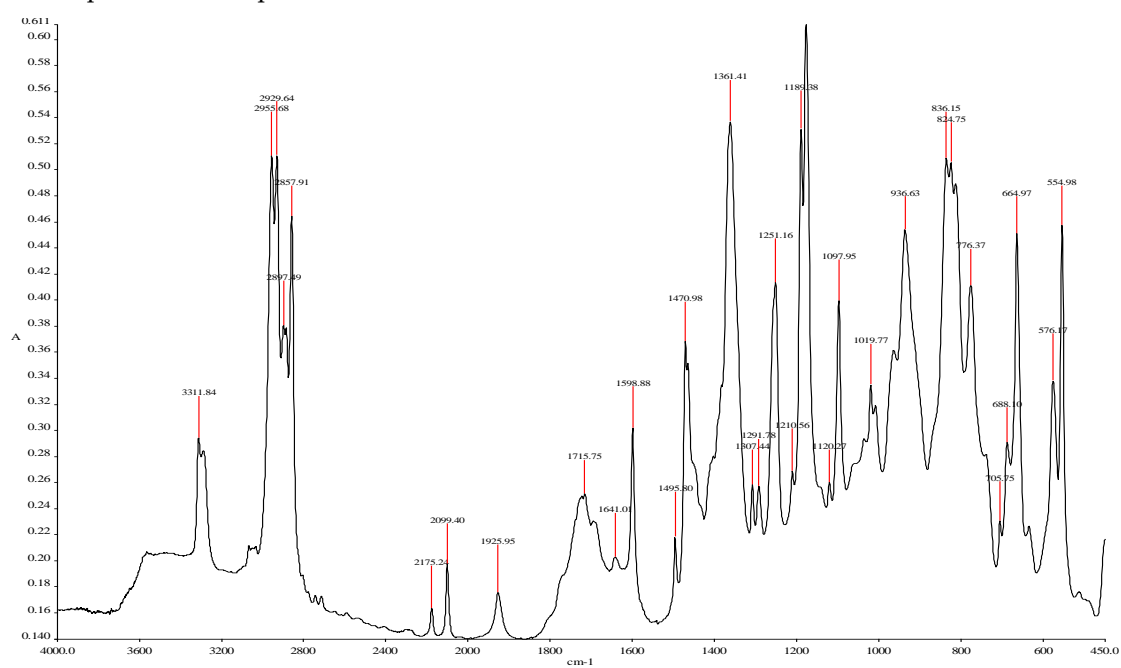
IR (UATR) spectra for compound 2



## IR (UATR) spectra for compound 2

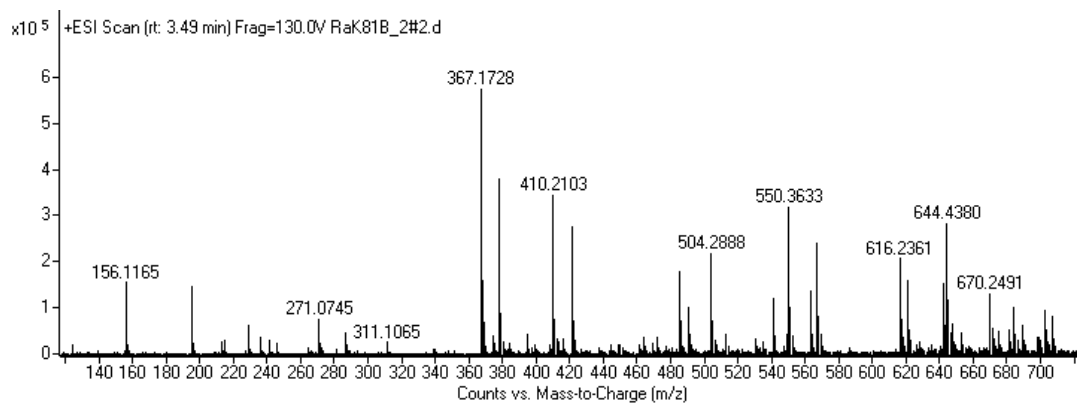


## FTIR spectra for compound 2

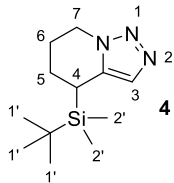


HRMS (ESI) data for compound 2

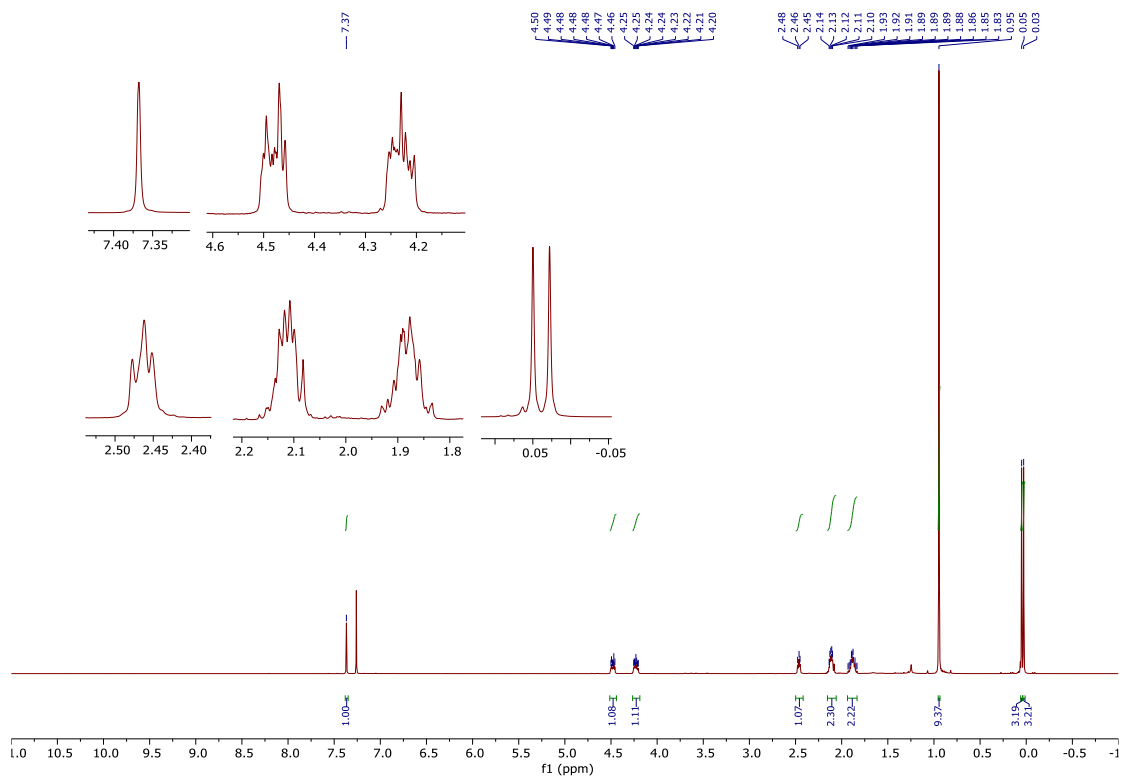
[M+H] <sup>+</sup> calc	[M+H] <sup>+</sup> found	Δ
367,1758	367,1728	0,0030



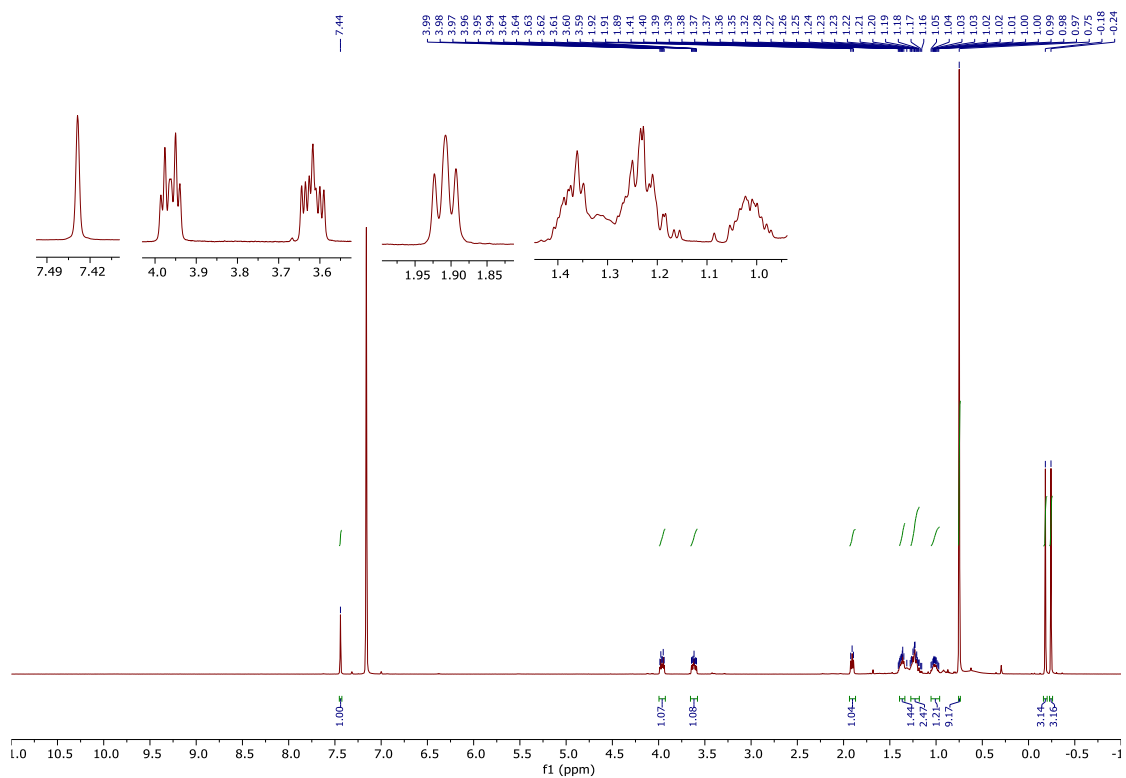
4-(*tert*-Butyldimethylsilyl)-4,5,6,7-tetrahydro-[1,2,3]triazolo[1,5-a]pyridine (**4**)



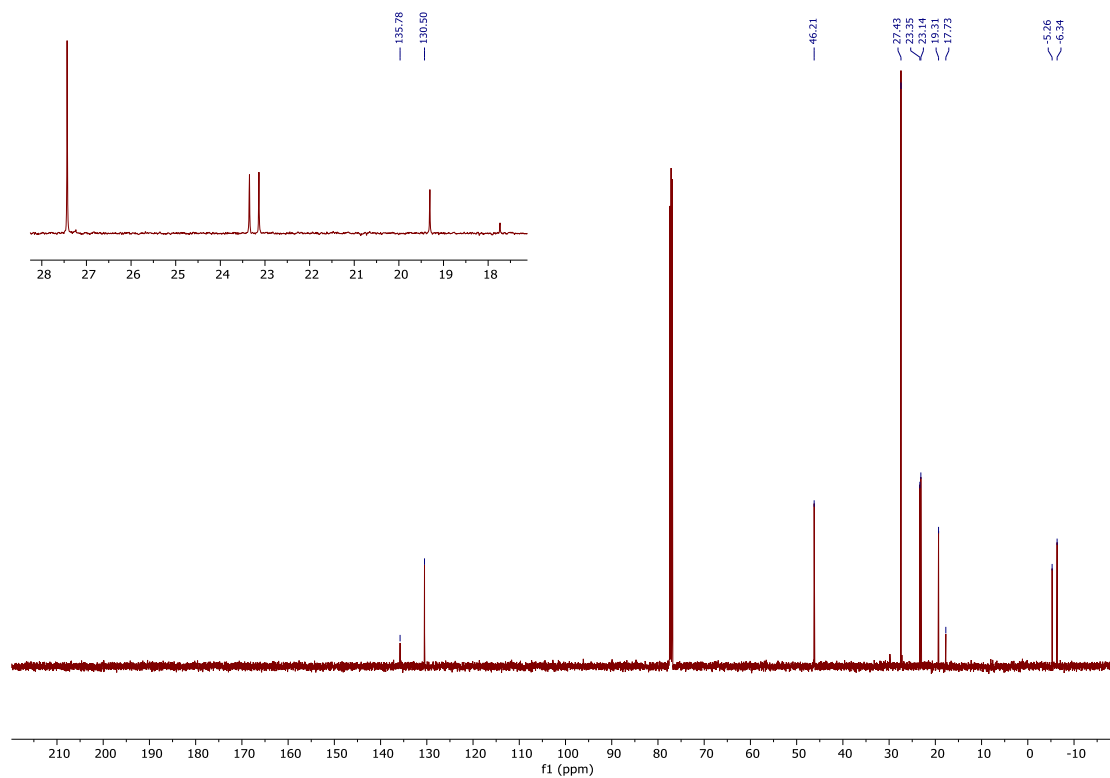
<sup>1</sup>H-NMR (500 MHz, CDCl<sub>3</sub>) spectra for compound **4**



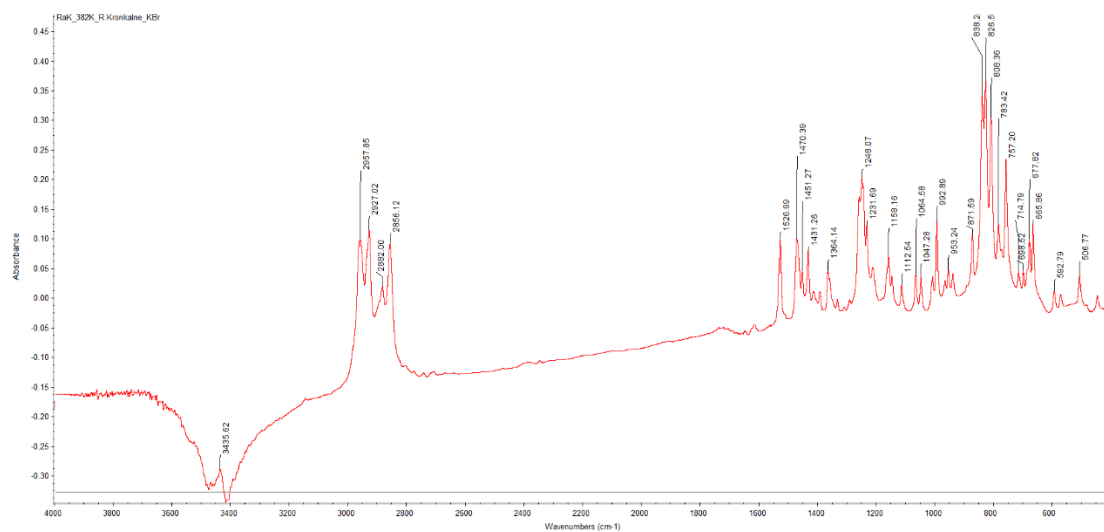
$^1\text{H-NMR}$  (500 MHz,  $\text{C}_6\text{D}_6$ ) spectra for compound 4



$^{13}\text{C-NMR}$  (126 MHz,  $\text{CDCl}_3$ ) spectra for compound 4



### FTIR spectra for compound 4



### HRMS (ESI) data for compound 4

[M+H] <sup>+</sup> calc	[M+H] <sup>+</sup> found	Δ
238,1734	238,1746	0,0012

