

Supplementary Material:**2,4-Diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-5*H*-chromeno[2,3-*b*]pyridine-3-carbonitrile**

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¹H and ¹³C NMR, IR and MS spectra for compound 4

Figure S1. ^1H NMR spectrum of 2,4-diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1H-pyrazol-4-yl)-5H-chromeno[2,3-b]pyridine-3-carbonitrile **4** in $\text{DMSO-}d_6$.

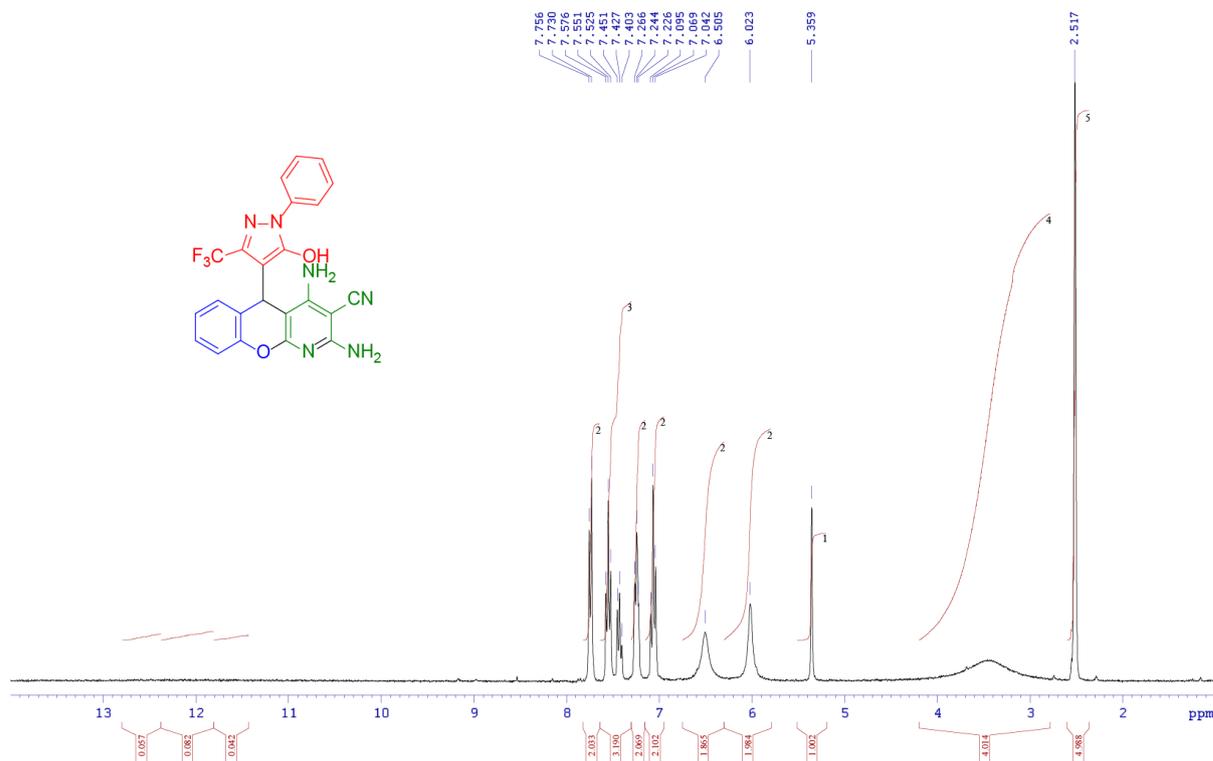


Figure S2. ^{13}C NMR spectrum of 2,4-diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1H-pyrazol-4-yl)-5H-chromeno[2,3-b]pyridine-3-carbonitrile **4** in $\text{DMSO-}d_6$.

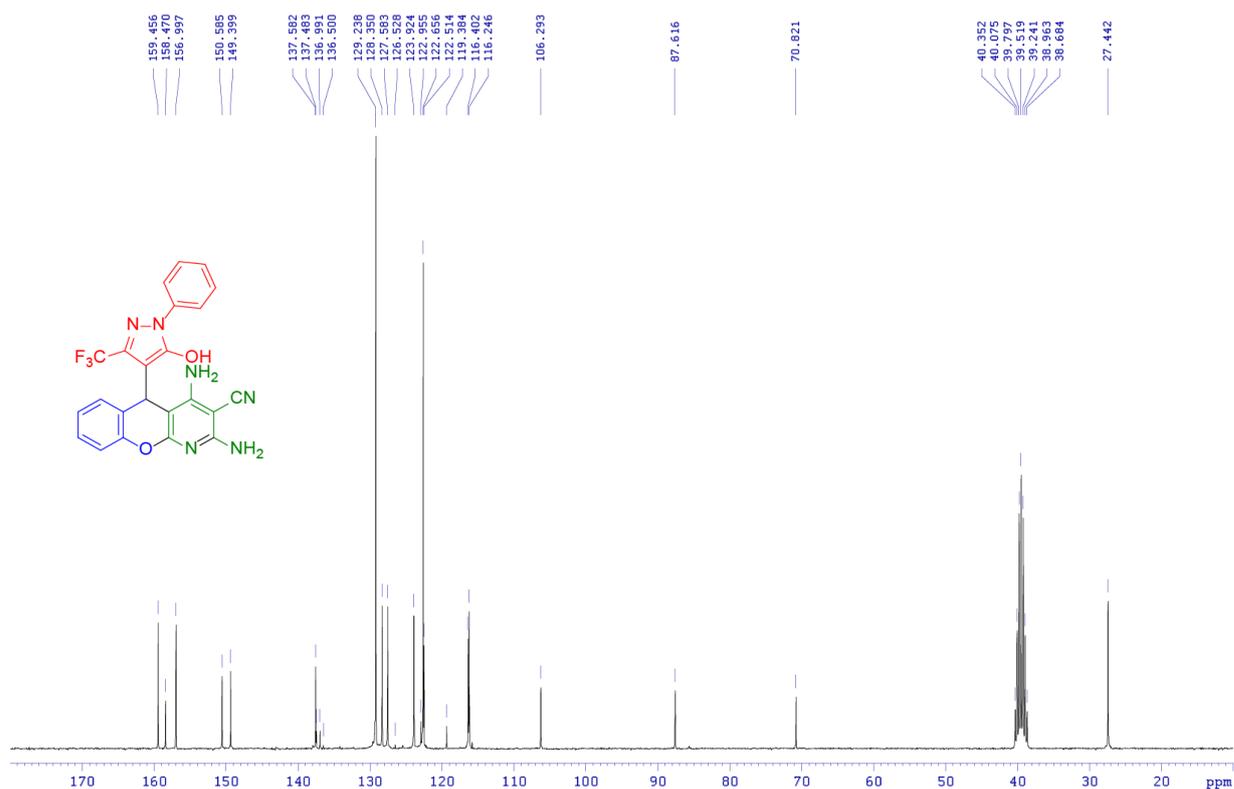
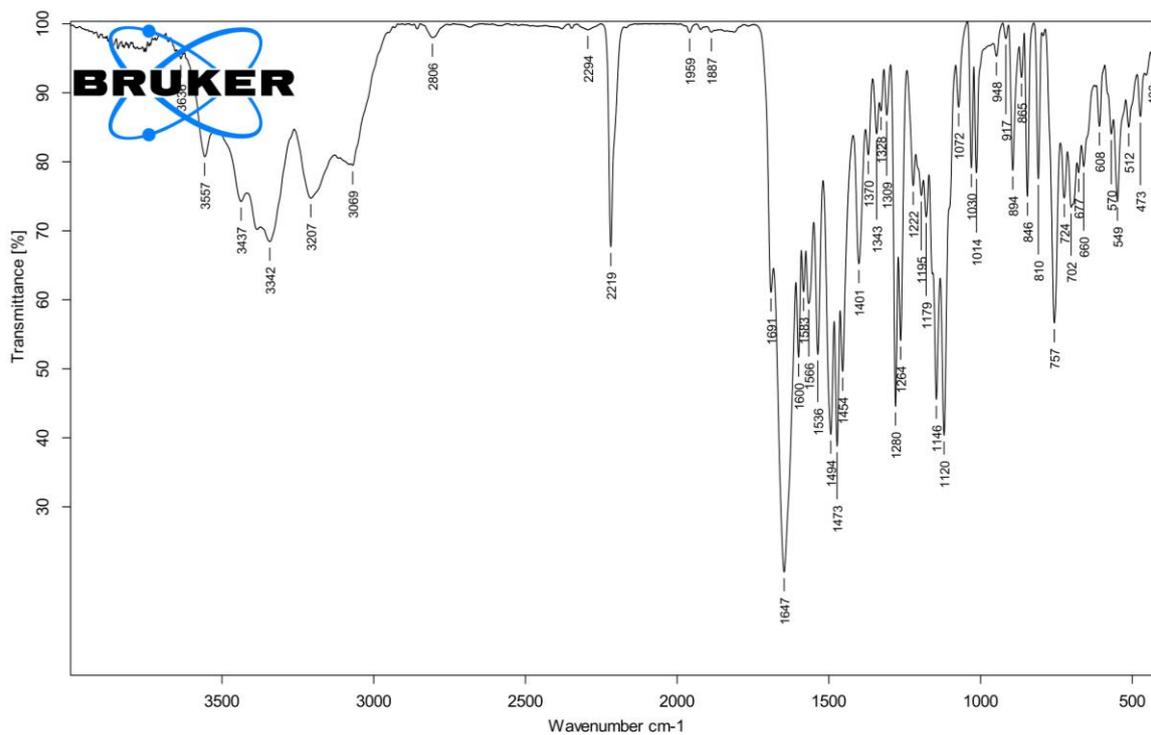


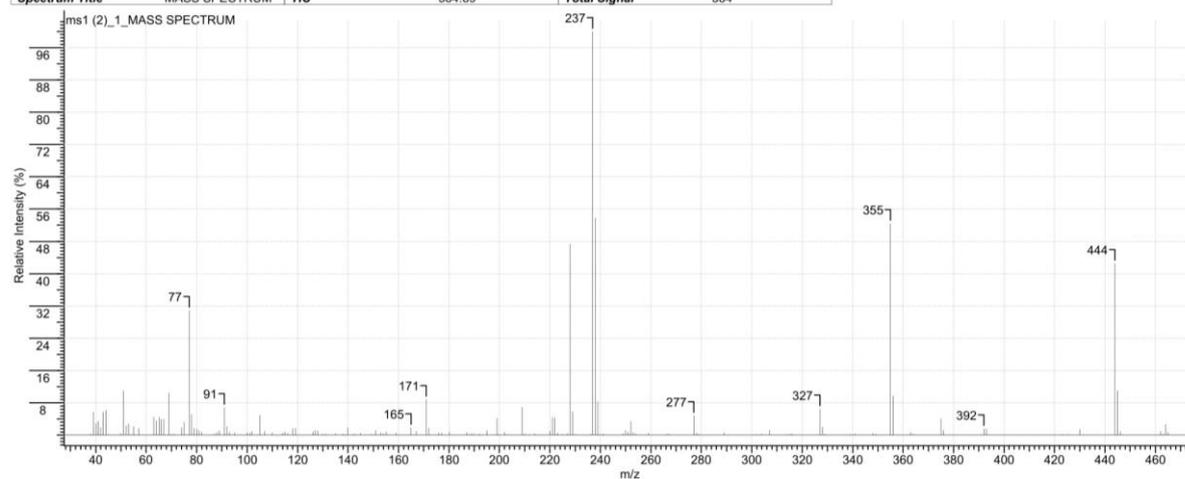
Figure S3. IR spectrum of 2,4-diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-5*H*-chromeno[2,3-*b*]pyridine-3-carbonitrile **4** (KBr).



D:\ИР\Рыжкова Мос-58.0	Рыжкова Мос-58	KBr прессовка	23.05.2022
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Figure S4. MS (EI) spectrum of 2,4-diamino-5-(5-hydroxy-1-phenyl-3-(trifluoromethyl)-1*H*-pyrazol-4-yl)-5*H*-chromeno[2,3-*b*]pyridine-3-carbonitrile **4**.

Count	165	Data Type	MASS SPECTRUM	Date	24 Oct 2022 11:08:34
Date Stamp	19 May 1922 07:47:56	File Name	C:\ACD10UNP\ms1 (2)_1 MASS SPECTRUM		
Inlet Model	DIRECT	Instrumental Parameters	LOW RESOLUTION	Origin	MOS-58
Spectrum Title	MASS SPECTRUM	TIC	584.89	Total Signal	584
				Owner	Copyright(C) by Victor (2022)



No.	m/z	RI(%)	DI
1	77.000	30.883	30.883
2	91.000	6.861	6.861
3	165.000	1.890	1.890
4	171.000	8.851	8.851
5	237.000	100.000	100.000
6	277.000	4.870	4.870
7	327.000	6.501	6.501
8	355.000	52.365	52.365
9	392.000	1.580	1.580
10	444.000	42.504	42.504