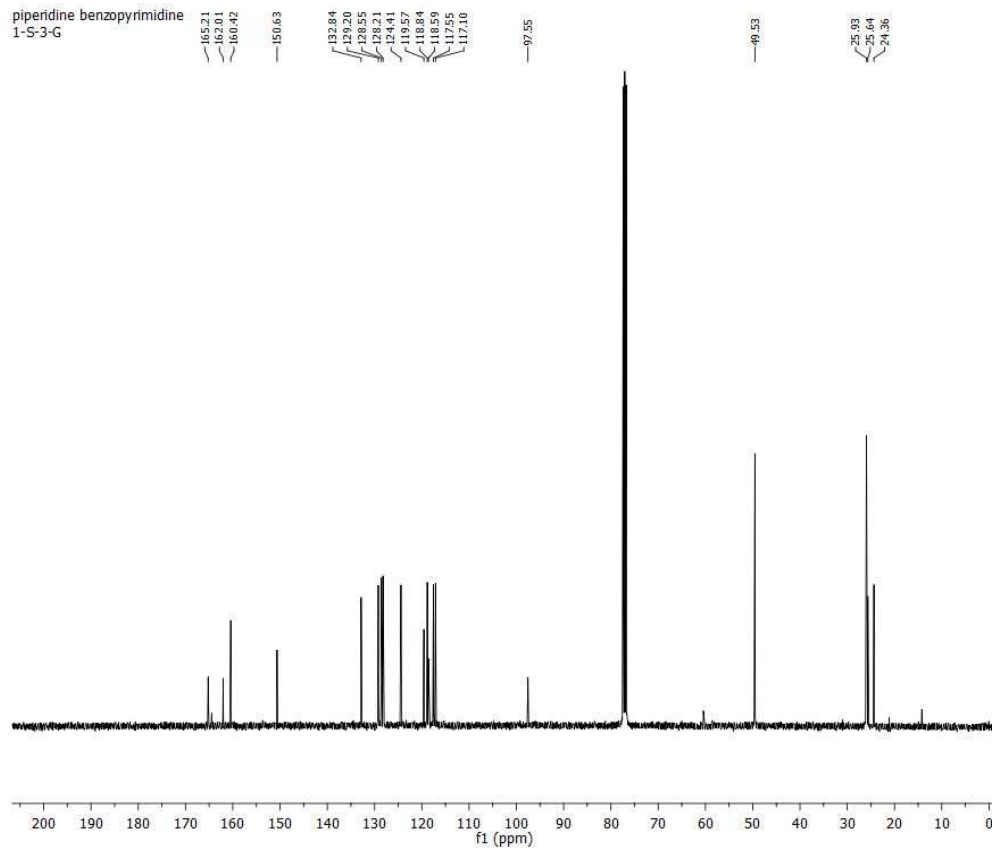
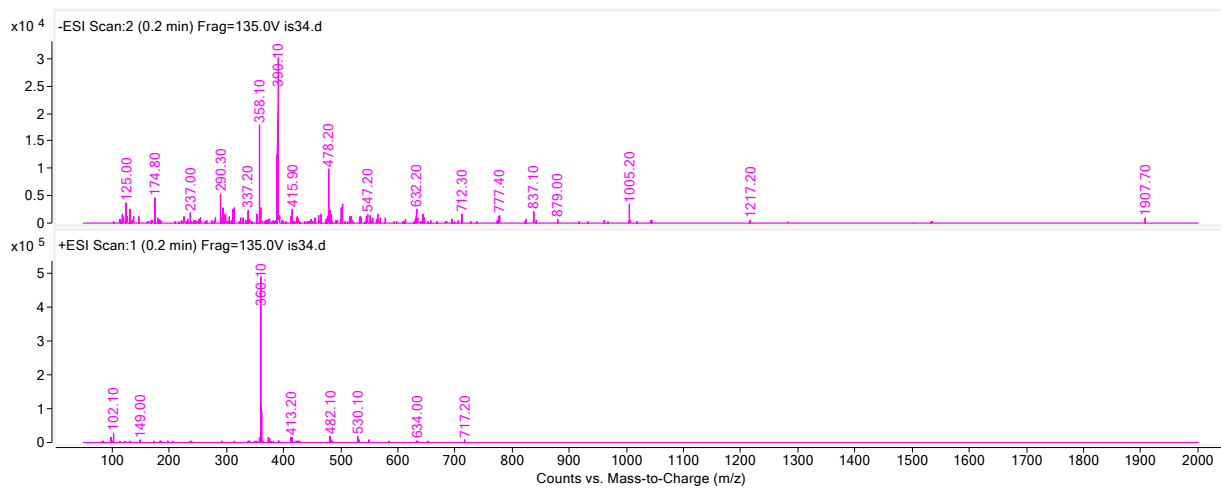
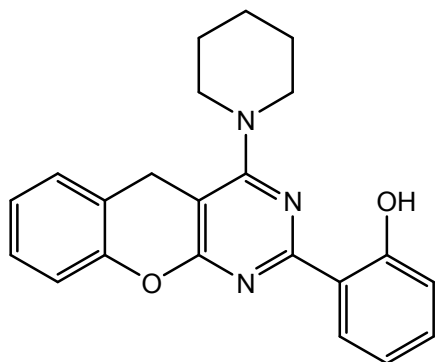


piperidine benzopyrimidine
1-S-3-G

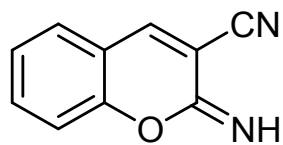


Parameter	Value
1 Data File Name	C:/Users/gateway/Desktop/pyranopyrimidines/Spectras/piperidine benzopyrimidine/16/fid
2 Title	piperidine benzopyrimidine
3 Comment	1-S-3-G
4 Origin	Bruker BioSpin GmbH
5 Owner	nmsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	CDCl3
10 Temperature	0.0
11 Pulse Sequence	zgpg30
12 Number of Scans	948
13 Receiver Gain	199
14 Relaxation Delay	2.0000
15 Pulse Width	9.8000
16 Acquisition Time	1.3631
17 Acquisition Date	2016-02-17T14:49:42
18 Modification Date	2016-02-17T14:49:44
19 Spectrometer Frequency	100.61
20 Spectral Width	24038.5
21 Lowest Frequency	-1958.9
22 Nucleus	13C
23 Acquired Size	32768
24 Spectral Size	65536

¹³CNMR

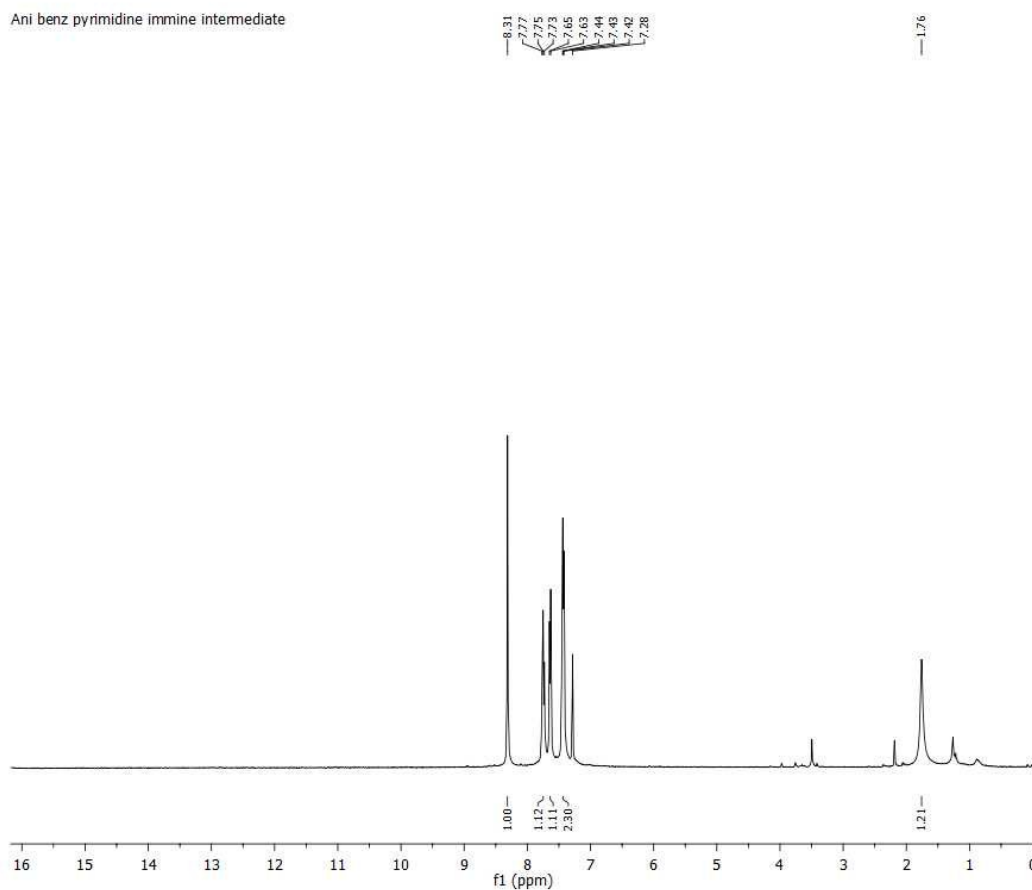


Mass spectra



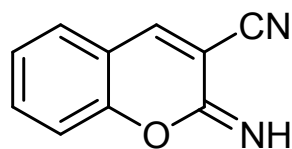
Immine intermediate A trapped using primary amine
p-methoxyaniline for the synthesis of benzopyranopyrimidines

Ani benz pyrimidine immine intermediate

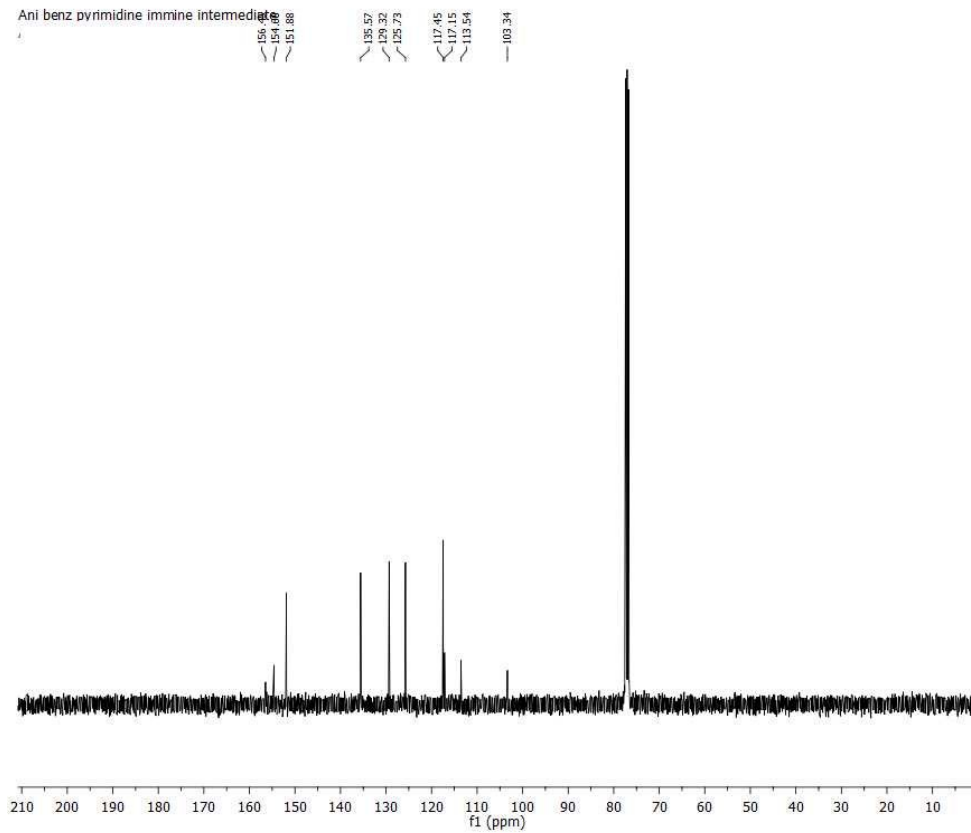


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2 Title	Ani benz pyrimidine immine intermediate
3 Comment	ANI-BP
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer spect	
8 Author	
9 Solvent	CDCl3
10 Temperature	0.0
11 Pulse Sequence	zg30
12 Number of Scans	16
13 Receiver Gain	199
14 Relaxation Delay	1.0000
15 Pulse Width	15.0000
16 Acquisition Time	4.0894
17 Acquisition Date	2016-04-21T14:38:00
18 Modification Date	2016-04-21T14:38:01
19 Spectrometer Frequency	400.13
20 Spectral Width	8012.8
21 Lowest Frequency	-1535.4
22 Nucleus	1H
23 Acquired Size	32768
24 Spectral Size	65536

¹H NMR

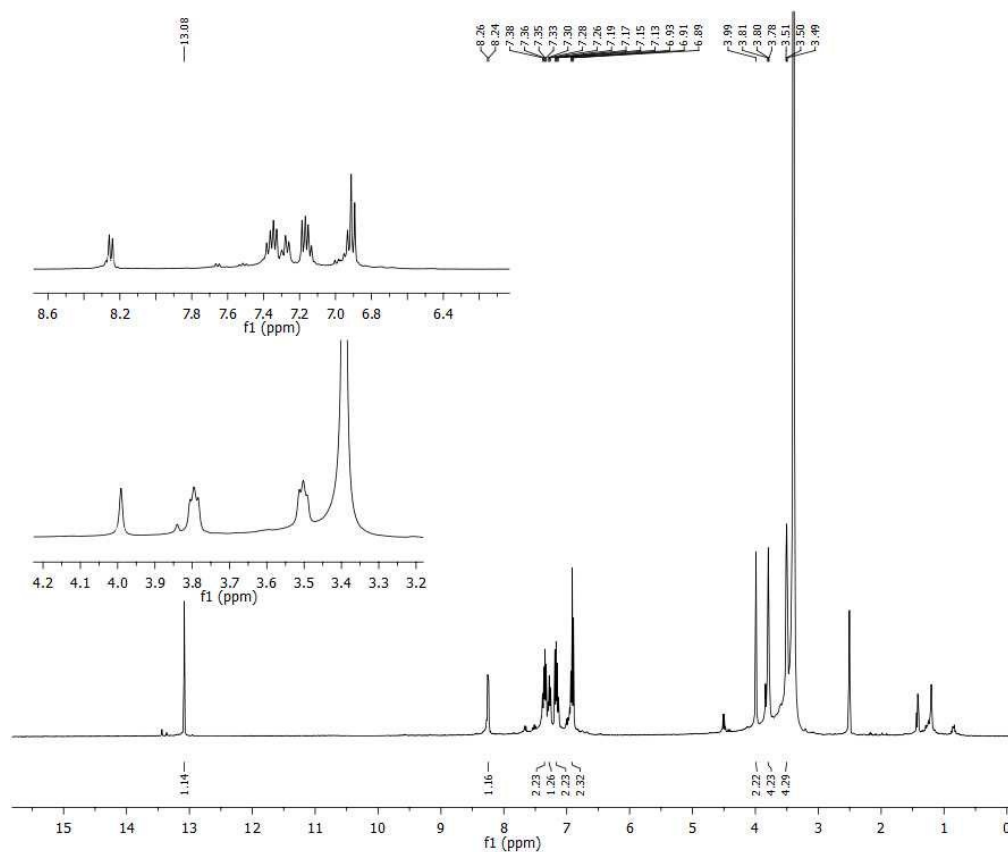
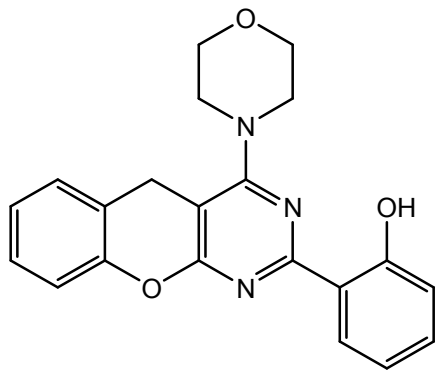


Ani benz pyrimidine immine intermediate



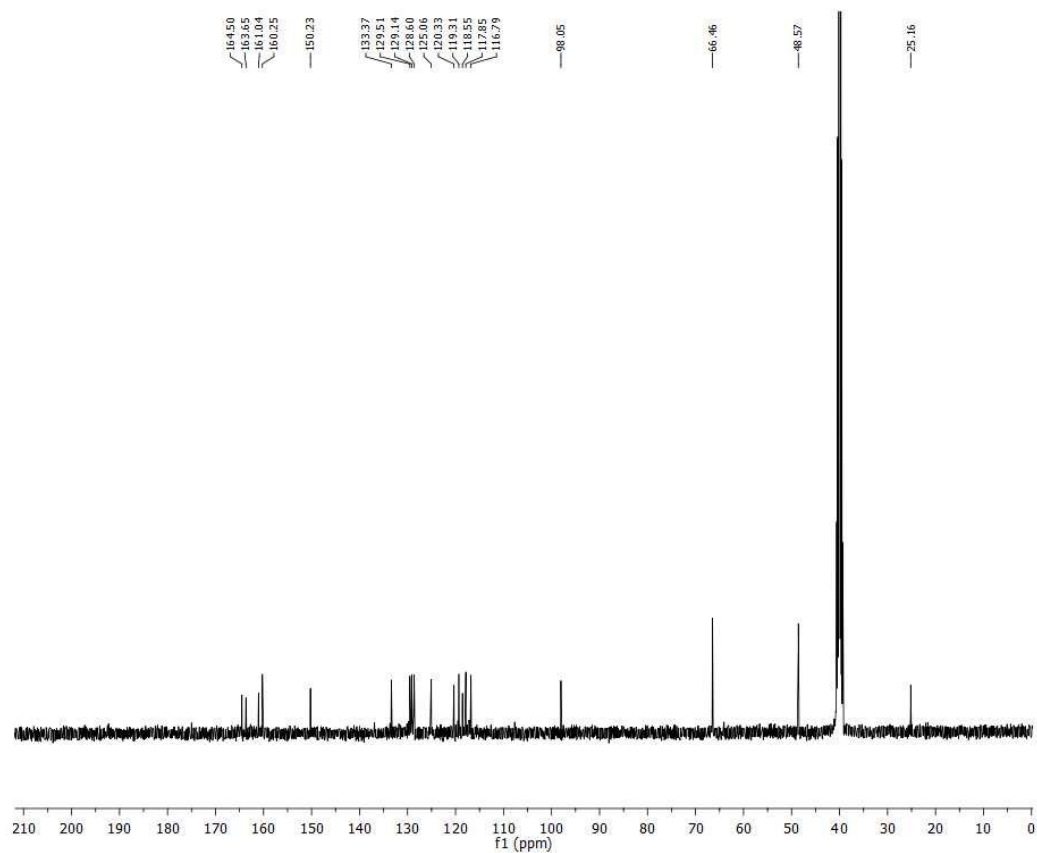
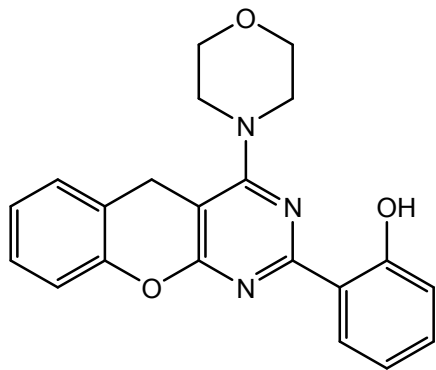
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3 Comment	ANI-BP
4 Origin	Bruker BioSpin GmbH
5 Owner	mrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	CDCl3
10 Temperature	0.0
11 Pulse Sequence	zgpg30
12 Number of Scans	455
13 Receiver Gain	199
14 Relaxation Delay	2.0000
15 Pulse Width	9.8000
16 Acquisition Time	1.3631
17 Acquisition Date	2016-04-21T15:03:20
18 Modification Date	2016-04-21T15:04:46
19 Spectrometer Frequency	100.61
20 Spectral Width	24038.5
21 Lowest Frequency	-1958.9
22 Nucleus	13C
23 Acquired Size	32768
24 Spectral Size	65536

13 C NMR



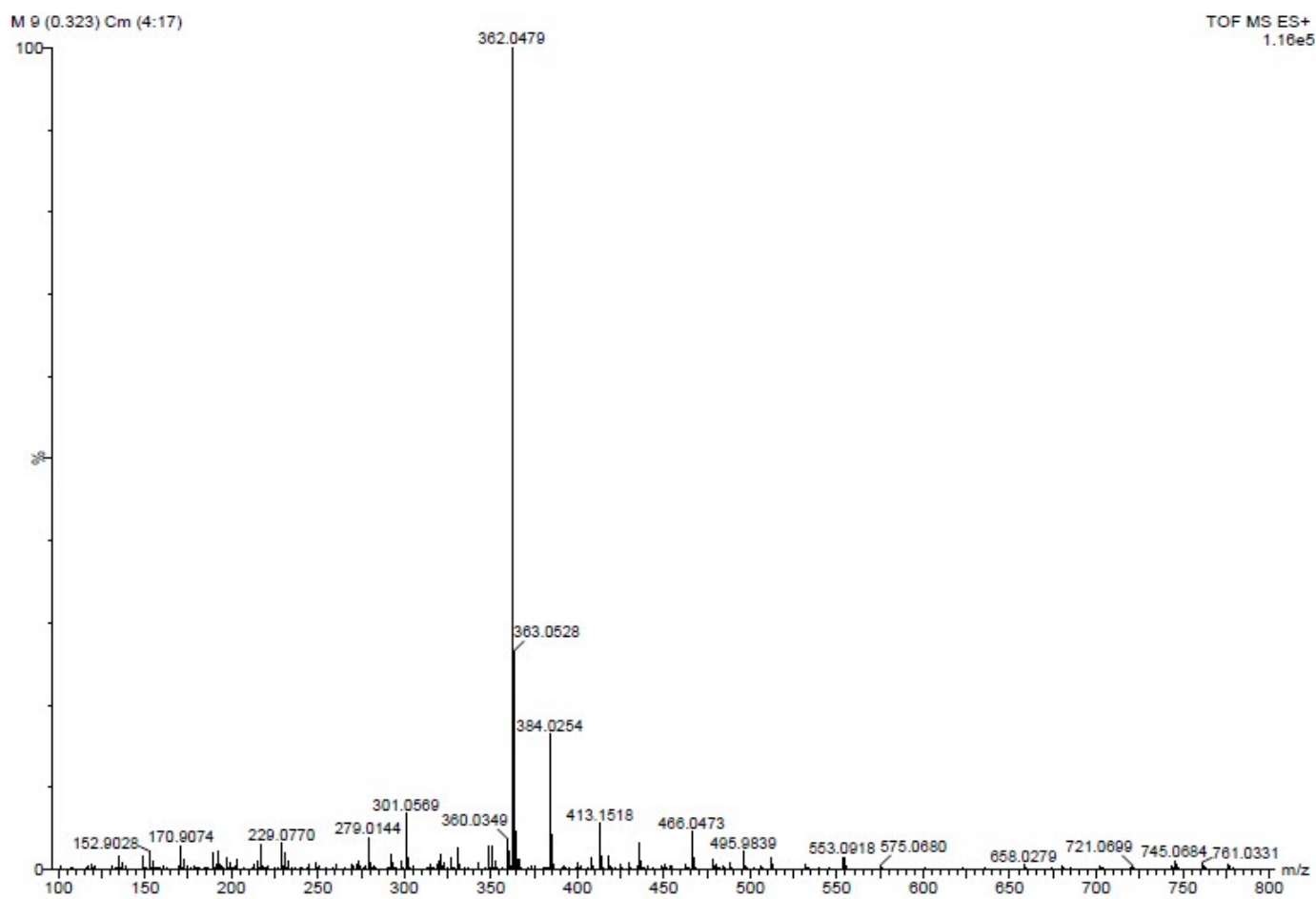
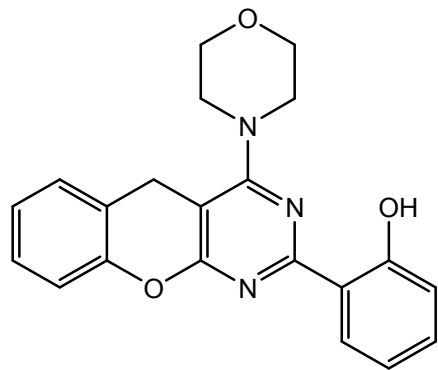
Parameter	Value
1 Data File Name	C:/Users/gateway/Desktop/pyranopyrimidines/Spectras/M.BP/ 1/ fid
2 Title	M.BP
3 Comment	mor-bp
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	DMSO
10 Temperature	297.9
11 Pulse Sequence	zg30
12 Number of Scans	16
13 Receiver Gain	121
14 Relaxation Delay	1.0000
15 Pulse Width	15.0000
16 Acquisition Time	4.0894
17 Acquisition Date	2016-09-19T14:36:07
18 Modification Date	2016-09-19T14:36:08
19 Spectrometer Frequency	400.13
20 Spectral Width	8012.8
21 Lowest Frequency	-1535.4
22 Nucleus	¹ H
23 Acquired Size	32768
24 Spectral Size	65536

¹H NMR

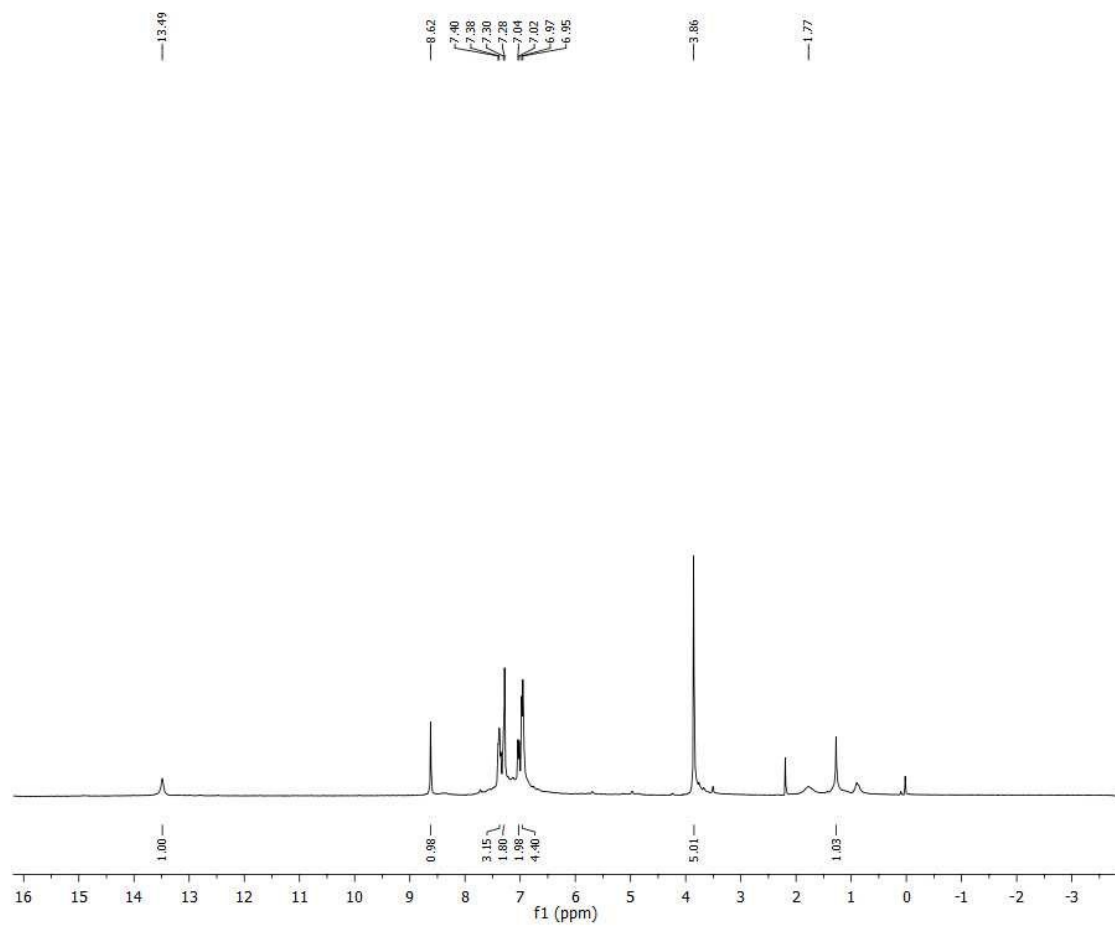
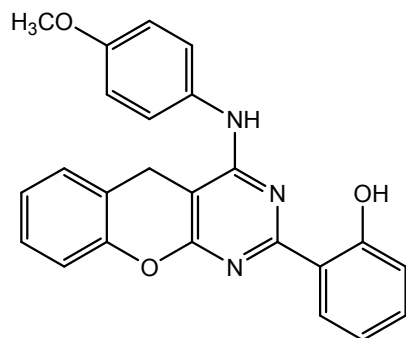


Parameter	Value
1 Data File Name	C:/Users/gateway/Desktop/pyranopyrimidines/Spectras/M.BP/2/fid
2 Title	M.BP
3 Comment	mor-bp
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	DMSO
10 Temperature	301.1
11 Pulse Sequence	zgpg30
12 Number of Scans	1024
13 Receiver Gain	199
14 Relaxation Delay	2.0000
15 Pulse Width	9.8000
16 Acquisition Time	1.3631
17 Acquisition Date	2016-09-19T15:35:59
18 Modification Date	2016-09-19T15:36:00
19 Spectrometer Frequency	100.61
20 Spectral Width	24038.5
21 Lowest Frequency	-1958.9
22 Nucleus	13C
23 Acquired Size	32768
24 Spectral Size	65536

¹³CNMR

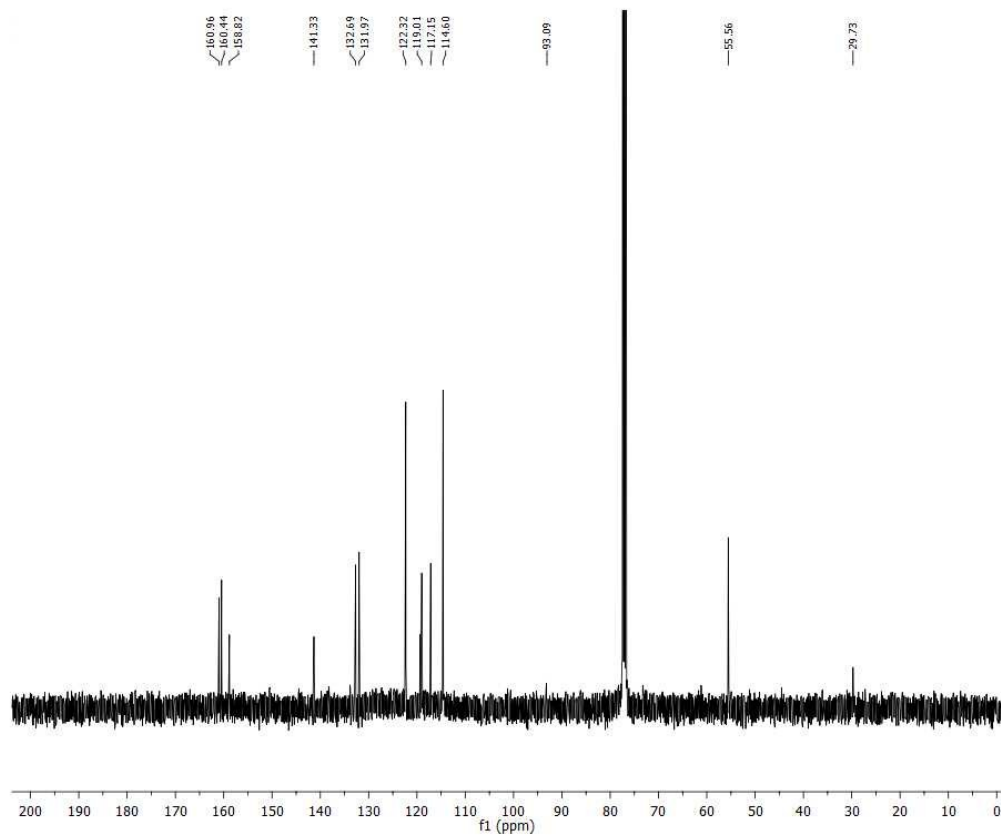
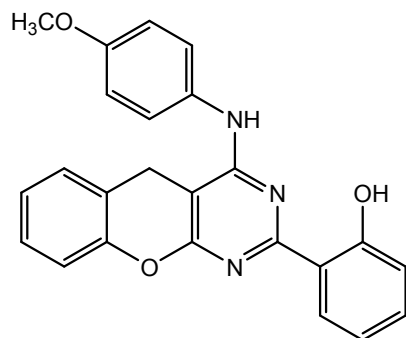


Mass spectra



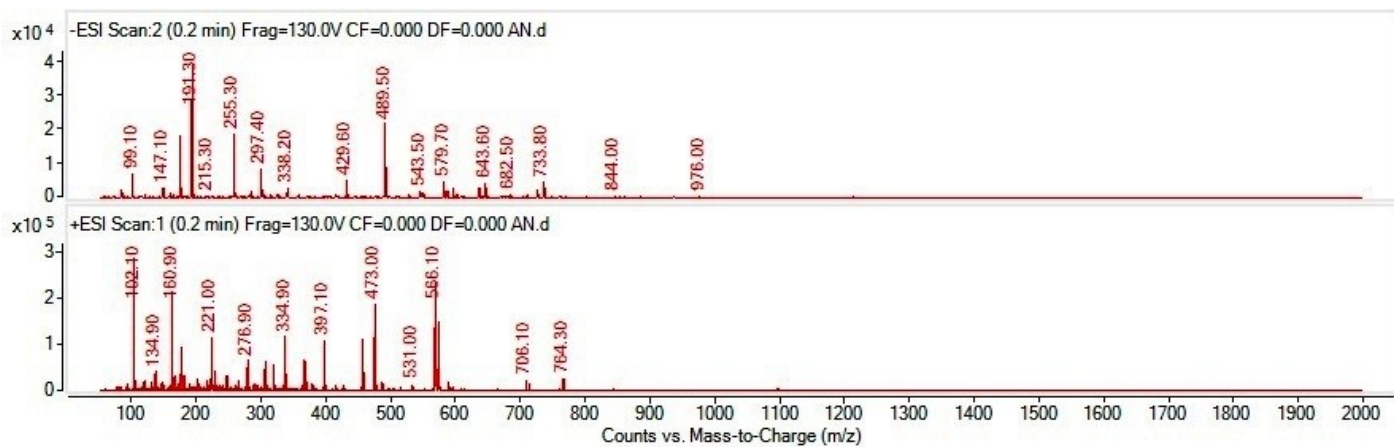
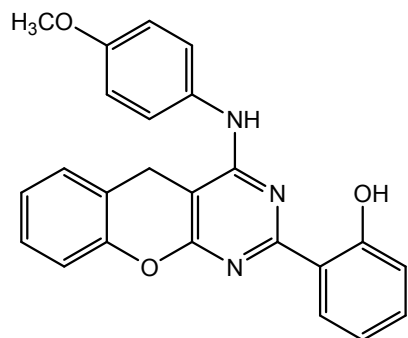
Parameter	Value
1 Data File Name	C:/Users/gateway/Desktop/ALL DESKTOP/1,2/ 1/ fid
2 Title	1,2
3 Comment	A-2
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	CDCl3
10 Temperature	0.0
11 Pulse Sequence	zg30
12 Number of Scans	16
13 Receiver Gain	121
14 Relaxation Delay	1.0000
15 Pulse Width	15.0000
16 Acquisition Time	4.0894
17 Acquisition Date	2016-03-18T12:48:56
18 Modification Date	2016-03-18T12:48:57
19 Spectrometer Frequency	400.13
20 Spectral Width	8012.8
21 Lowest Frequency	-1535.4
22 Nucleus	1H
23 Acquired Size	32768
24 Spectral Size	65536

1H NMR

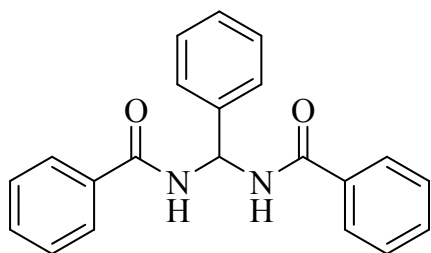


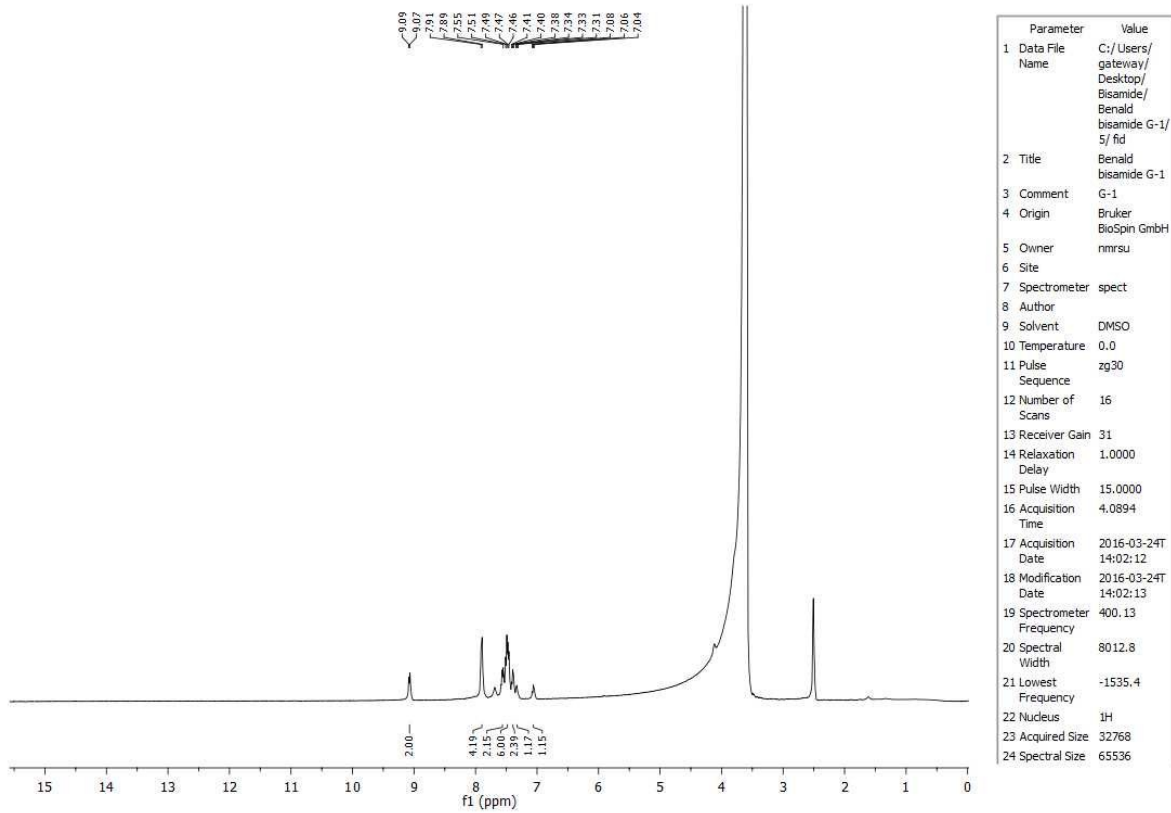
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2 Title	Anisidine benzopyrimidine
3 Comment	A-2
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	CDCl ₃
10 Temperature	0.0
11 Pulse Sequence	zgpg30
12 Number of Scans	1024
13 Receiver Gain	199
14 Relaxation Delay	2.0000
15 Pulse Width	9.8000
16 Acquisition Time	1.3631
17 Acquisition Date	2016-03-18T13:17:25
18 Modification Date	2016-03-18T13:48:07
19 Spectrometer Frequency	100.61
20 Spectral Width	24038.5
21 Lowest Frequency	-1958.9
22 Nucleus	¹³ C
23 Acquired Size	32768
24 Spectral Size	65536

13C NMR

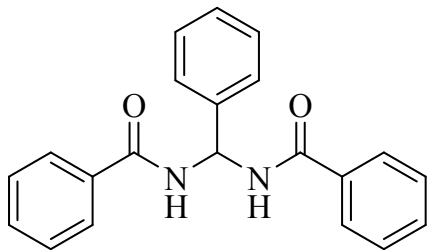


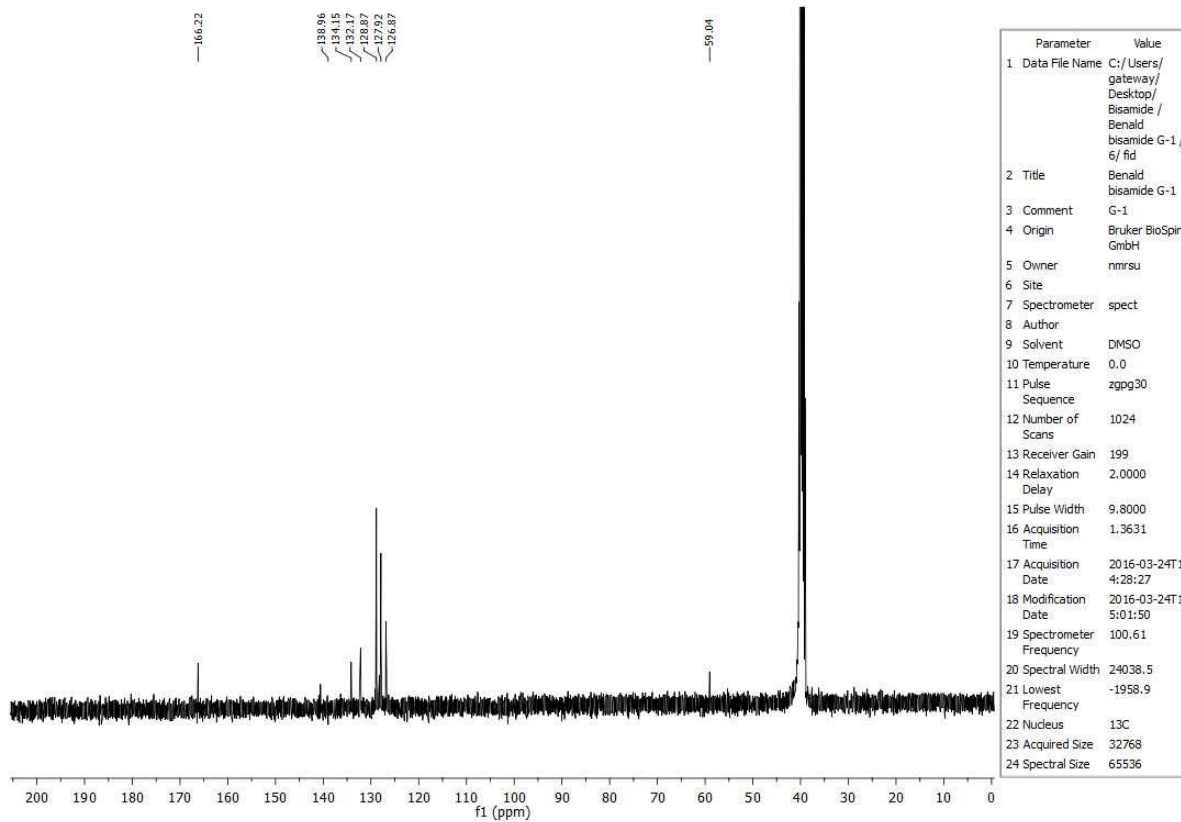
Mass Spectra



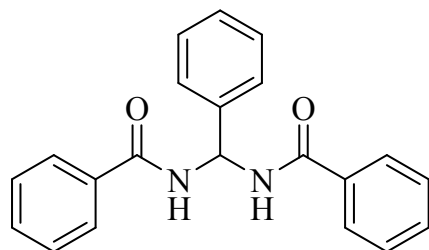


¹H NMR



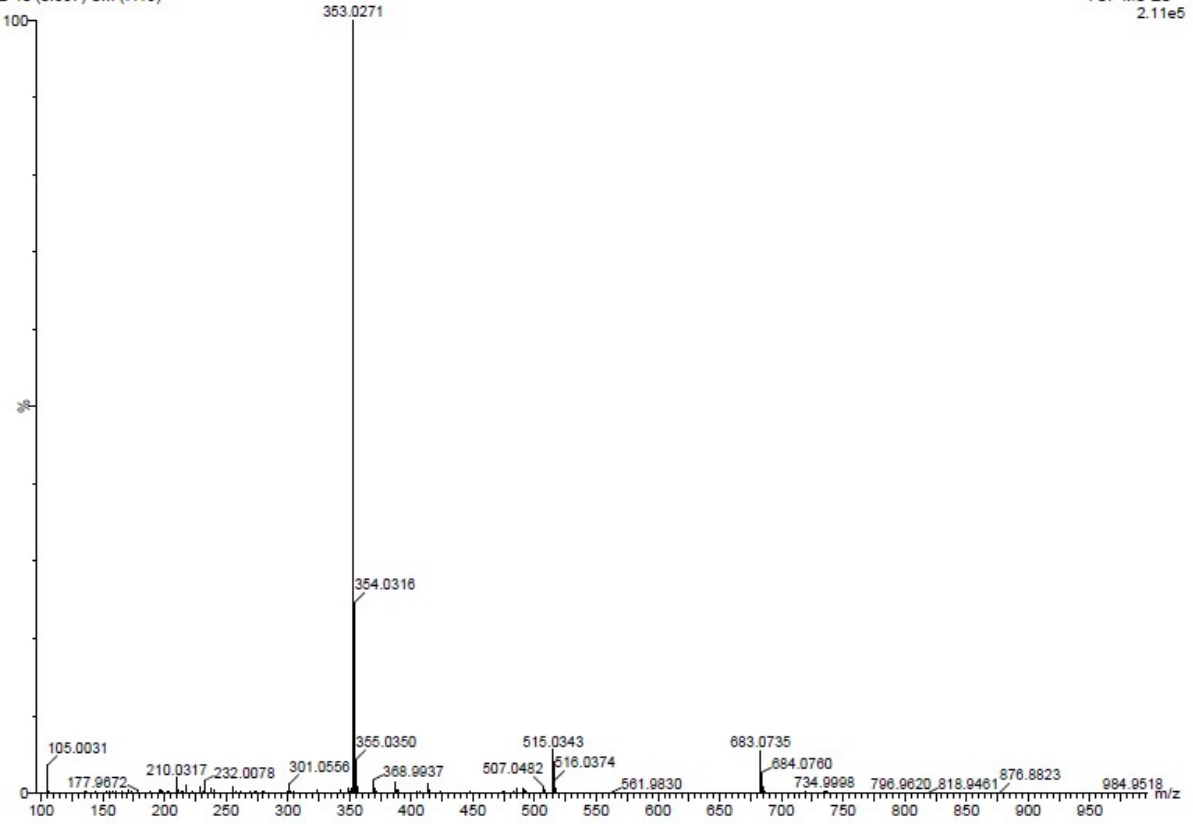


¹³CNMR

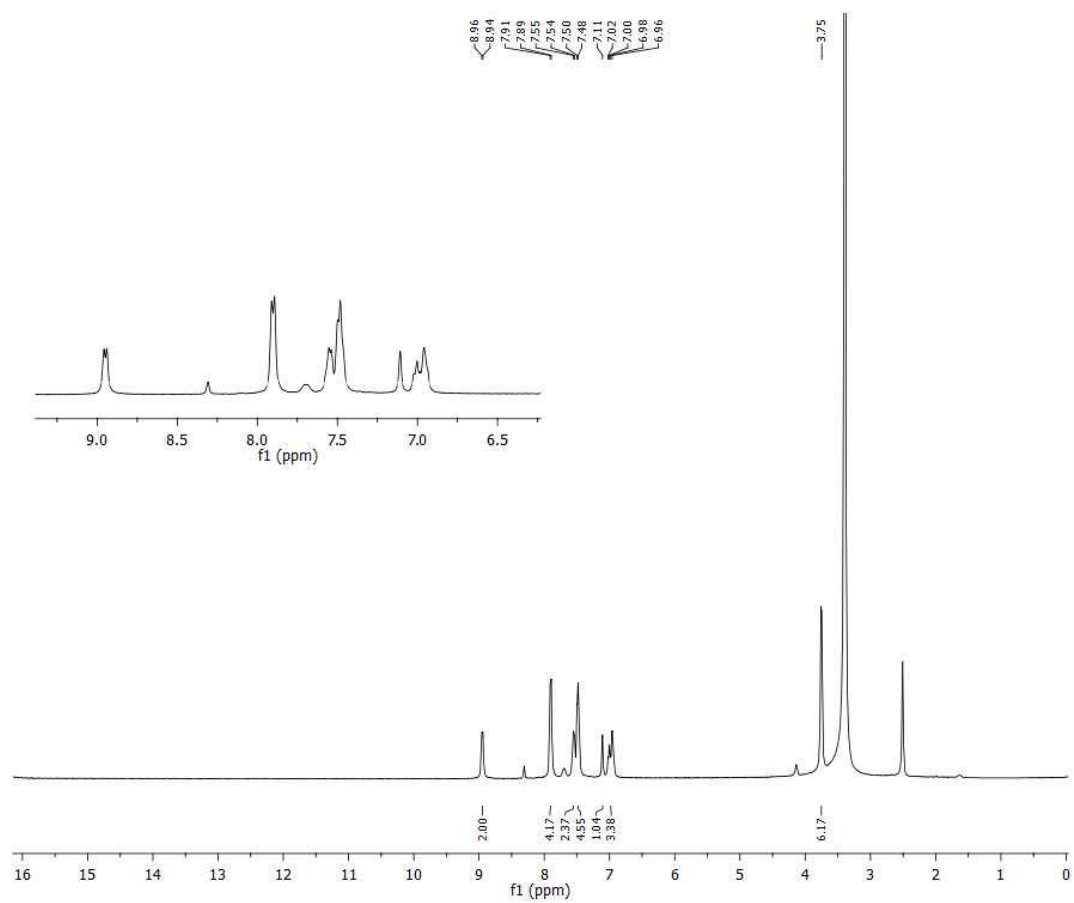
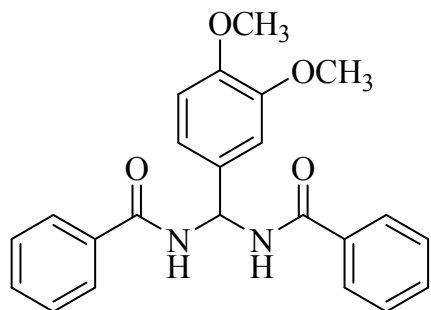


B 10 (0.357) Cm (7.13)

TOF MS ES+
2.11e5

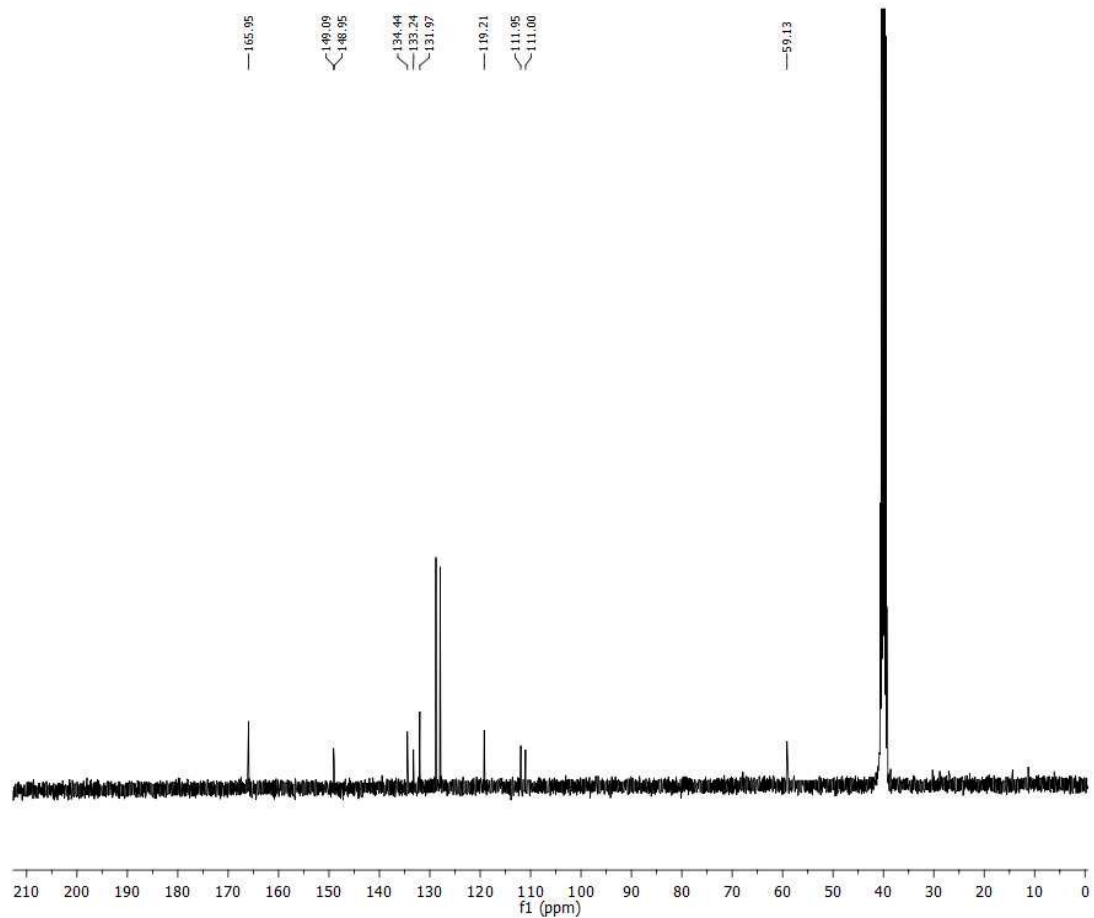
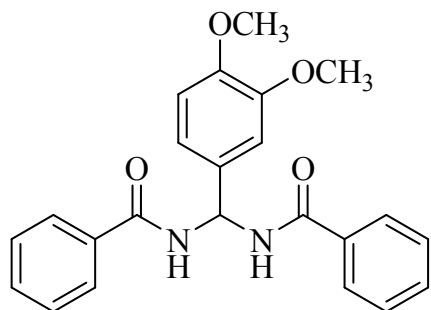


Mass spectra



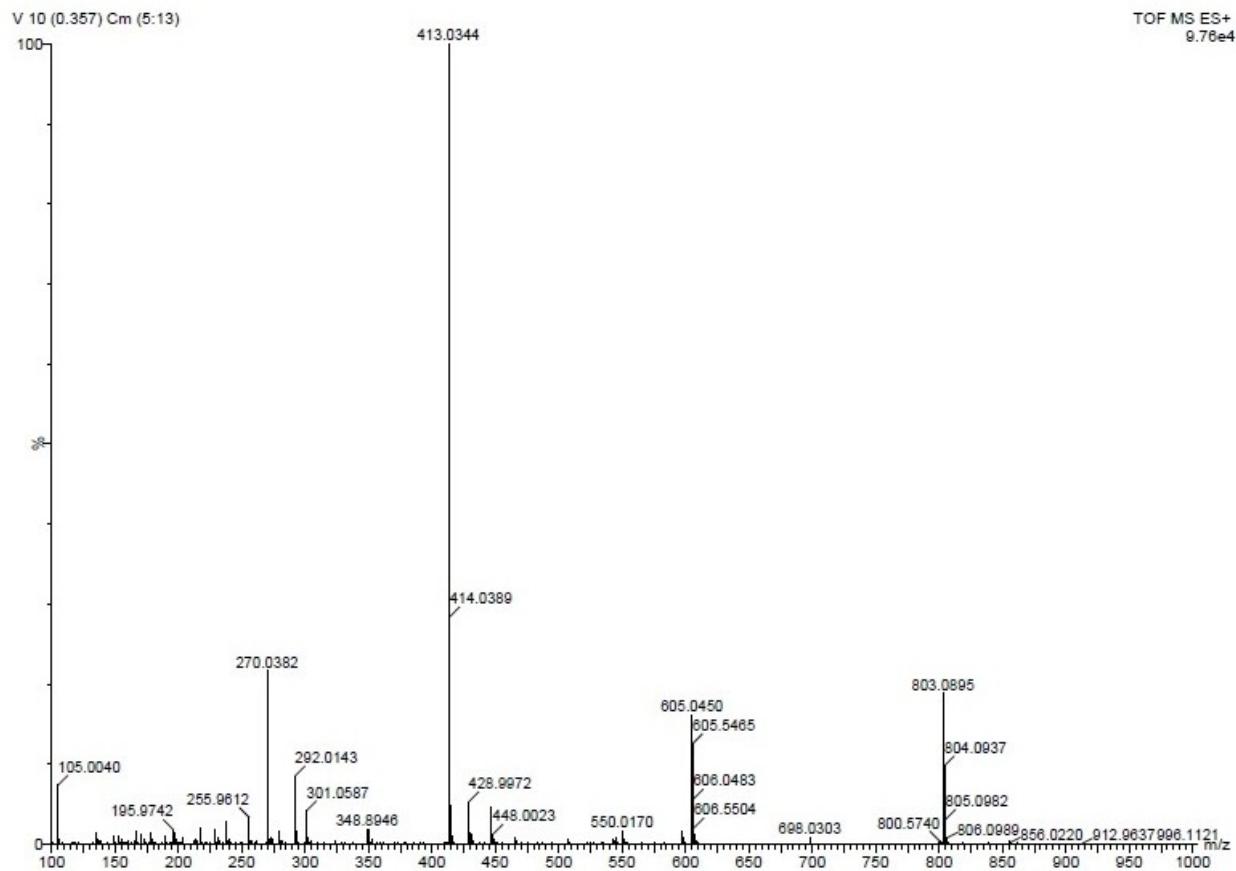
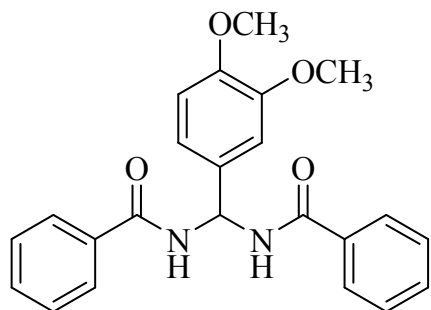
Parameter	Value
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3 Comment	BBA
4 Origin	Bruker BioSpin GmbH
5 Owner	nmsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	DMSO
10 Temperature	295.0
11 Pulse Sequence	zg30
12 Number of Scans	16
13 Receiver Gain	121
14 Relaxation Delay	1.0000
15 Pulse Width	15.0000
16 Acquisition Time	4.0894
17 Acquisition Date	2016-10-26T15:20:31
18 Modification Date	2016-10-26T15:20:56
19 Spectrometer Frequency	400.13
20 Spectral Width	8012.8
21 Lowest Frequency	-1535.4
22 Nucleus	¹ H
23 Acquired Size	32768
24 Spectral Size	65536

¹H NMR



Parameter	Value
1 Data File Name	C:/Users/gateway/Desktop/Bisamide my spectra clean with Cu catalyst/vertraldehyde bisamide/ 4/ fid
2 Title	vertraldehyde bisamide
3 Comment	BBA
4 Origin	Bruker BioSpin GmbH
5 Owner	nmrsu
6 Site	
7 Spectrometer	spect
8 Author	
9 Solvent	DMSO
10 Temperature	295.8
11 Pulse Sequence	zgpg30
12 Number of Scans	724
13 Receiver Gain	199
14 Relaxation Delay	2.0000
15 Pulse Width	9.8000
16 Acquisition Time	1.3631
17 Acquisition Date	2016-10-26T15:24:51
18 Modification Date	2016-10-26T16:03:31
19 Spectrometer Frequency	100.61
20 Spectral Width	24038.5
21 Lowest Frequency	-1958.9
22 Nucleus	13C
23 Acquired Size	32768
24 Spectral Size	65536

13C NMR



Mass Spectra