

Glycosmisines A and B: isolation of two new carbazole-indole-type dimeric alkaloids from *Glycosmis pentaphylla* and an evaluation of their antiproliferative activities

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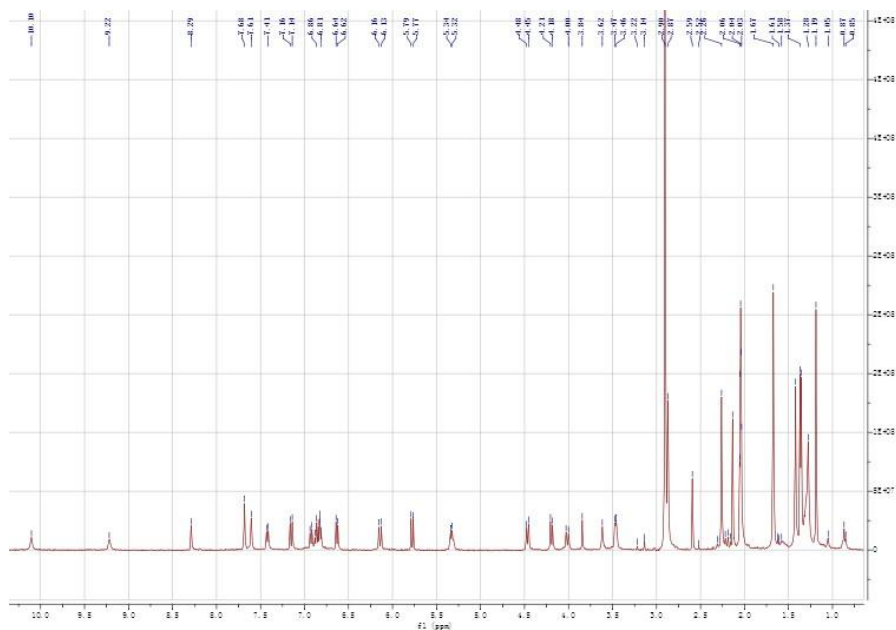
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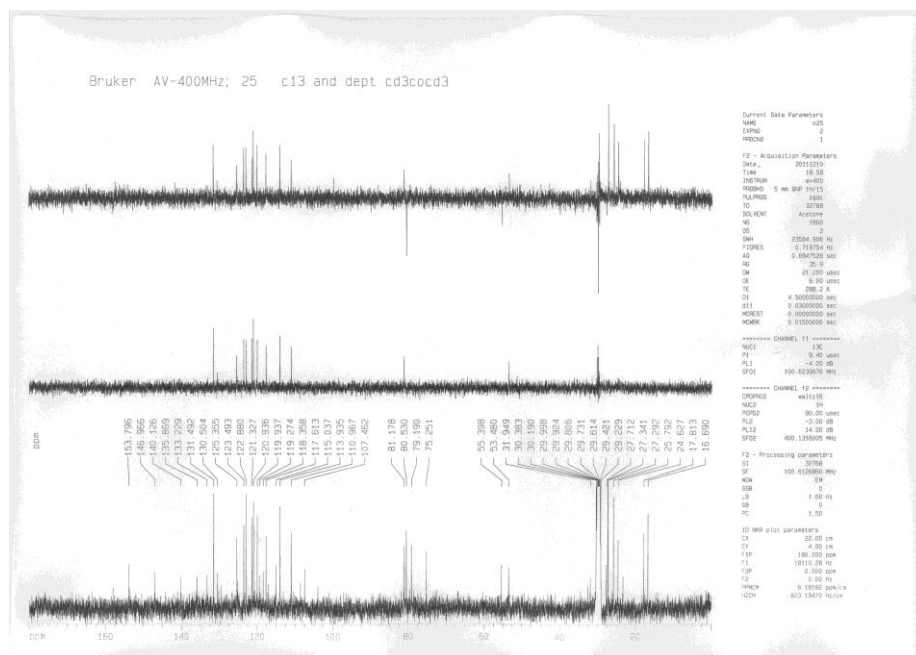
Zhinan Mei, E-mail: meizhinan@163.com

Content

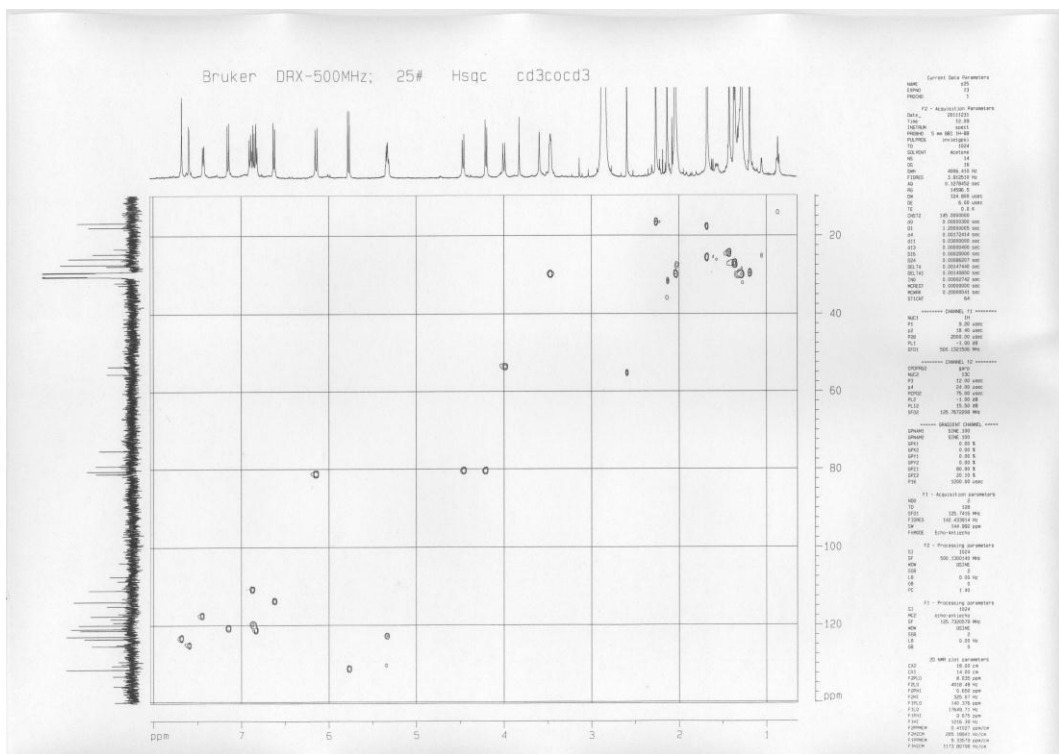
1. **Figure 1.** Spectra of compound **1** p2-5
2. **Figure 2.** Spectra of compound **2** p6-9



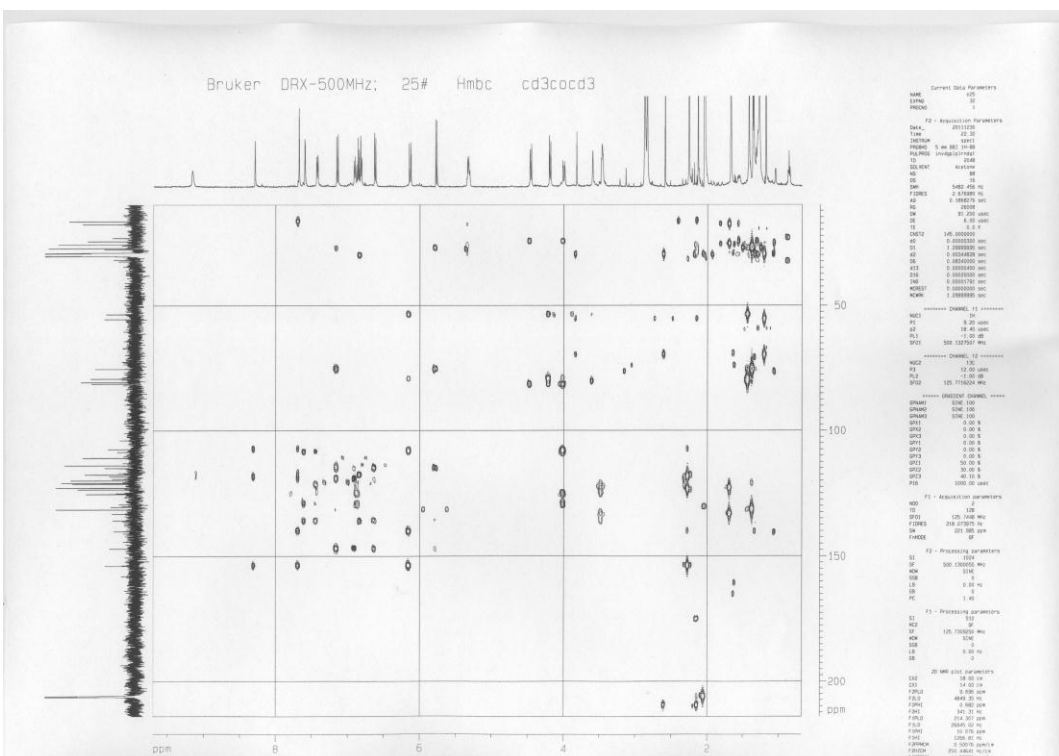
^1H NMR spectrum of compound **1**



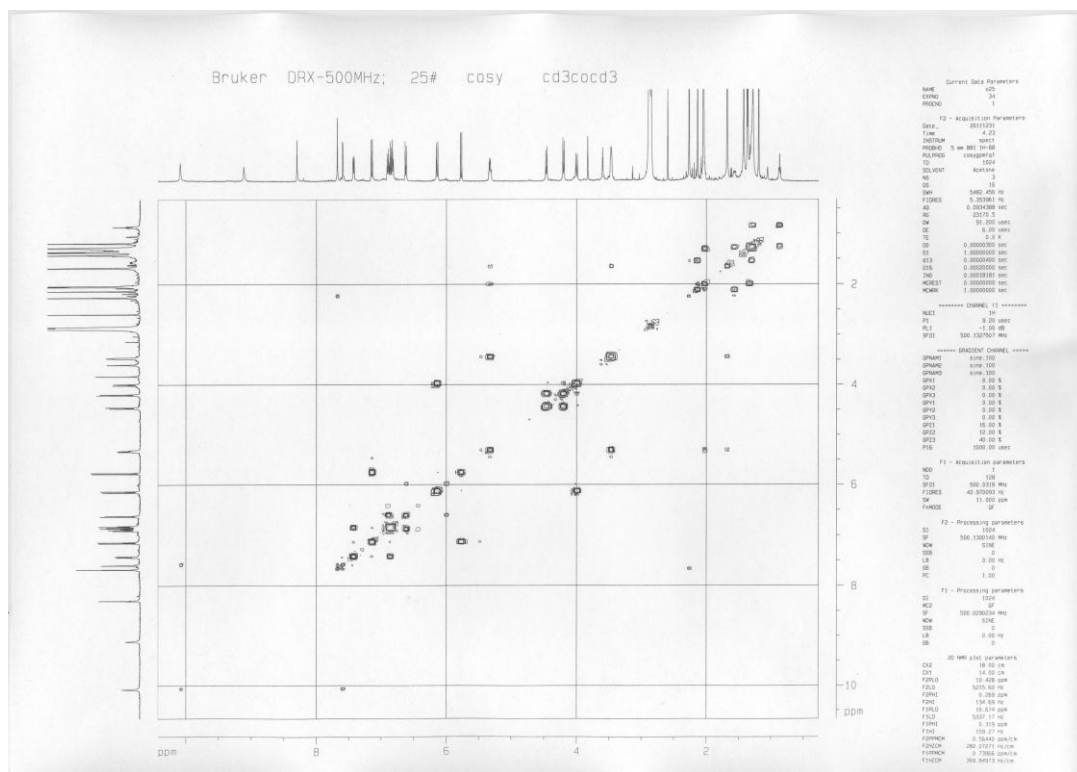
^{13}C NMR spectrum of compound **1**



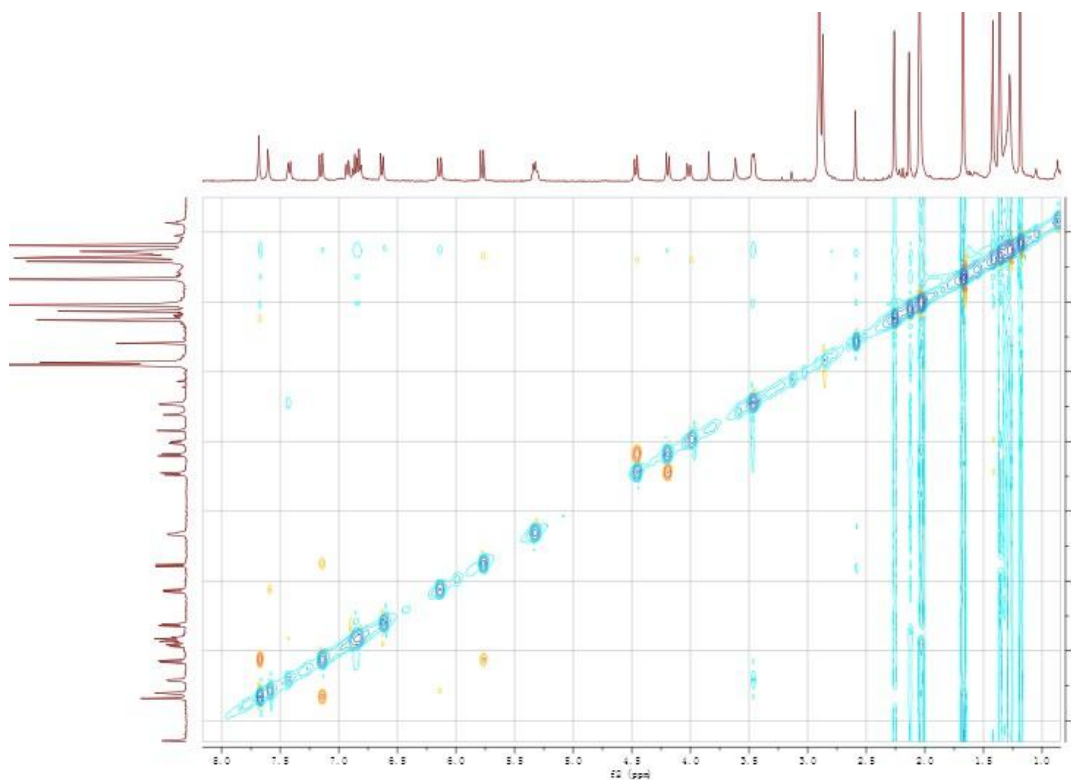
HSQC spectrum of compound 1



HMBC spectrum of compound 1



COSY spectrum of compound 1



ROESY spectrum of compound 1

Single Mass Analysis (displaying only valid results)

Tolerance = 10.0 PPM / DBE: min = 0.5, max = 40.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

48 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

Elements Used:

C: 0-200 H: 0-400 N: 2-2 O: 0-8

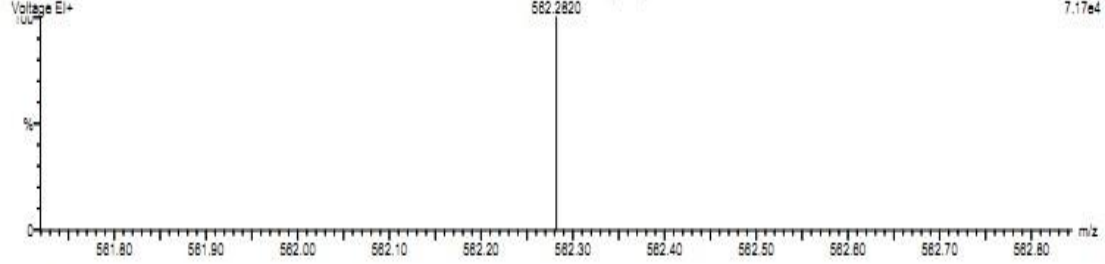
wy25

11:14:58 02-Mar-2012

Voltage E1+

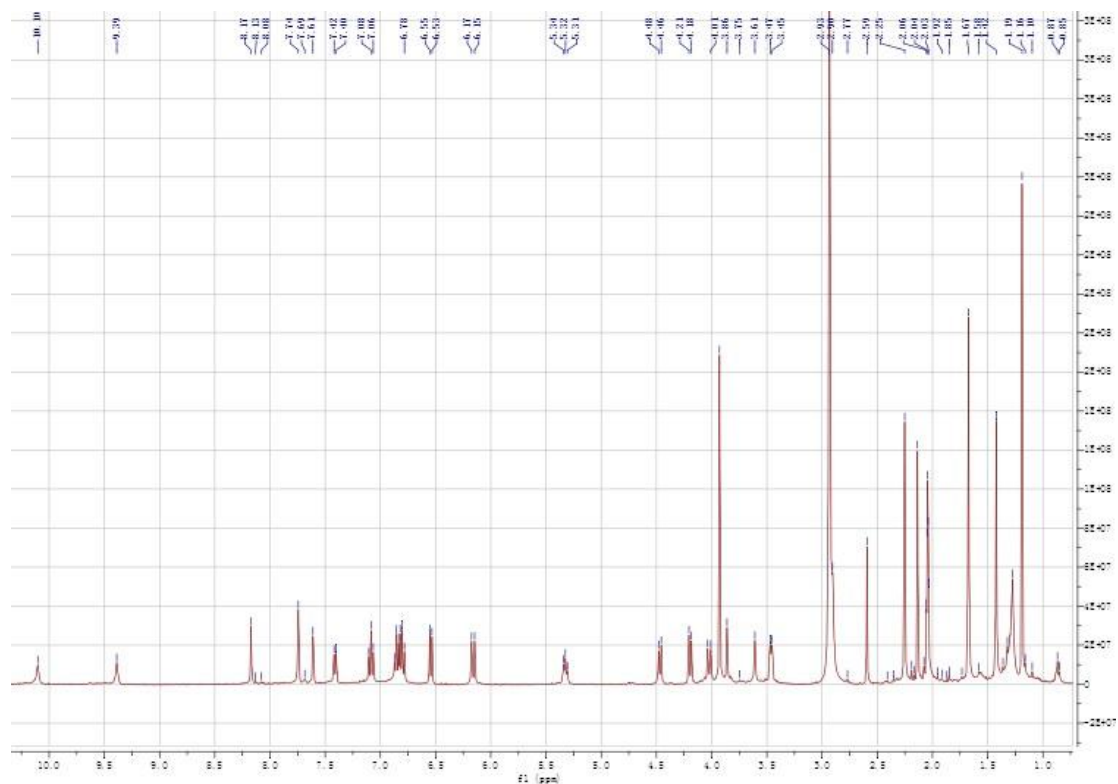
K1B
M120302EA-01AFAMM 28 (2.570)
562.2820

Autospec Premier
P778
7.17e4

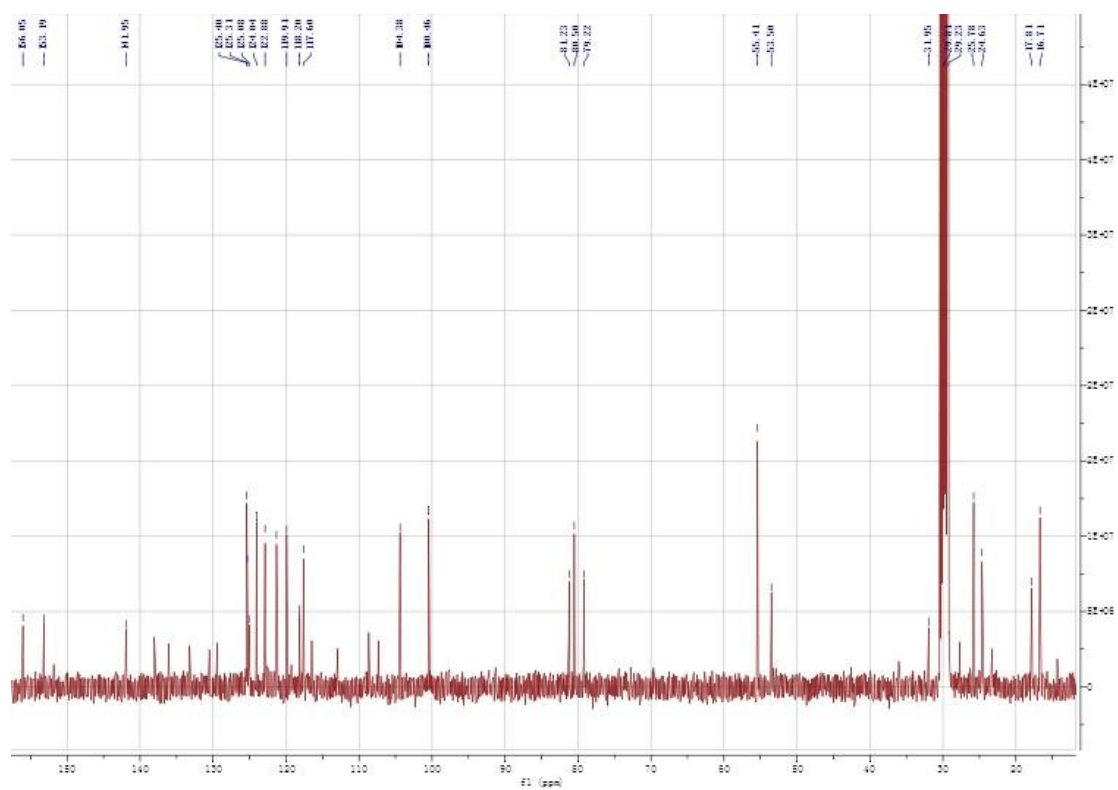


Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
562.2820	562.2832	-1.2	-2.1	19.0	5591985.5	C36 H38 N2 O4

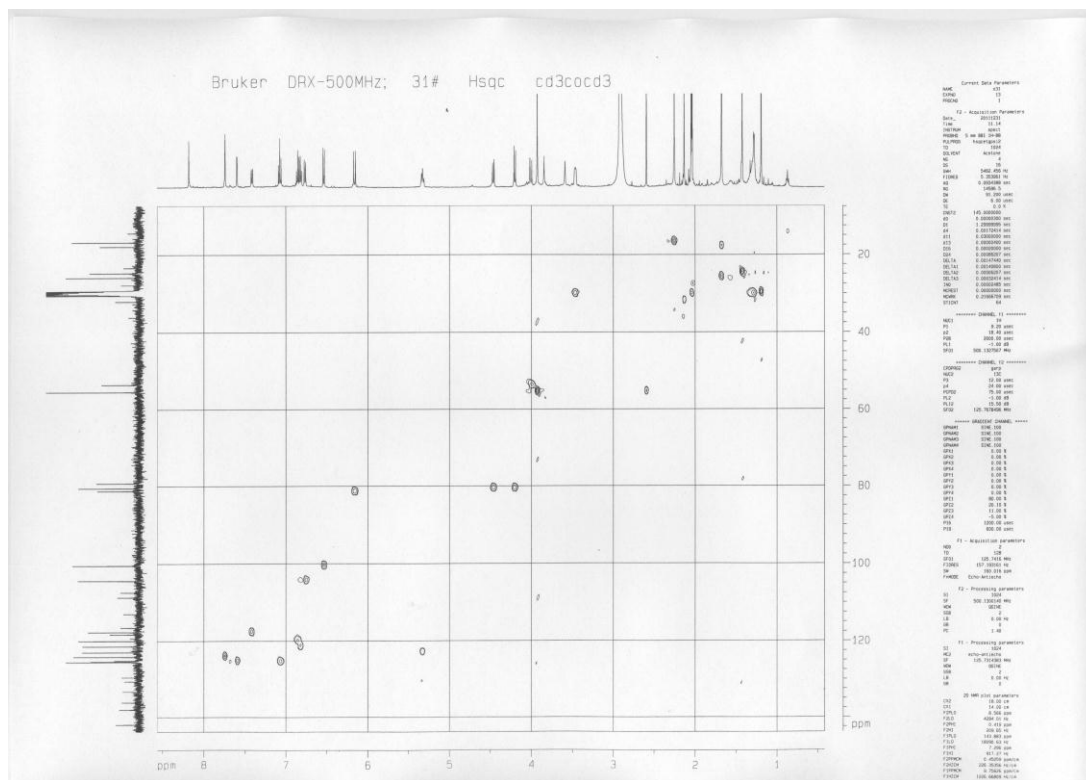
HREIMS spectrum of compound 1



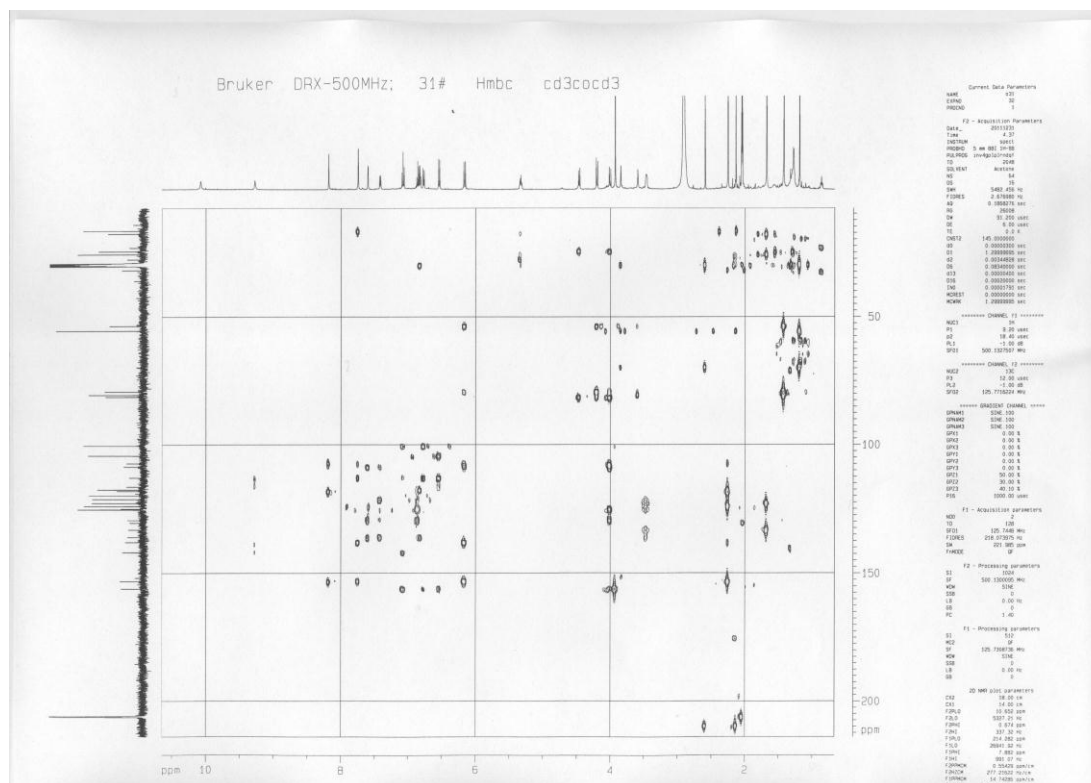
¹H NMR spectrum of compound 2



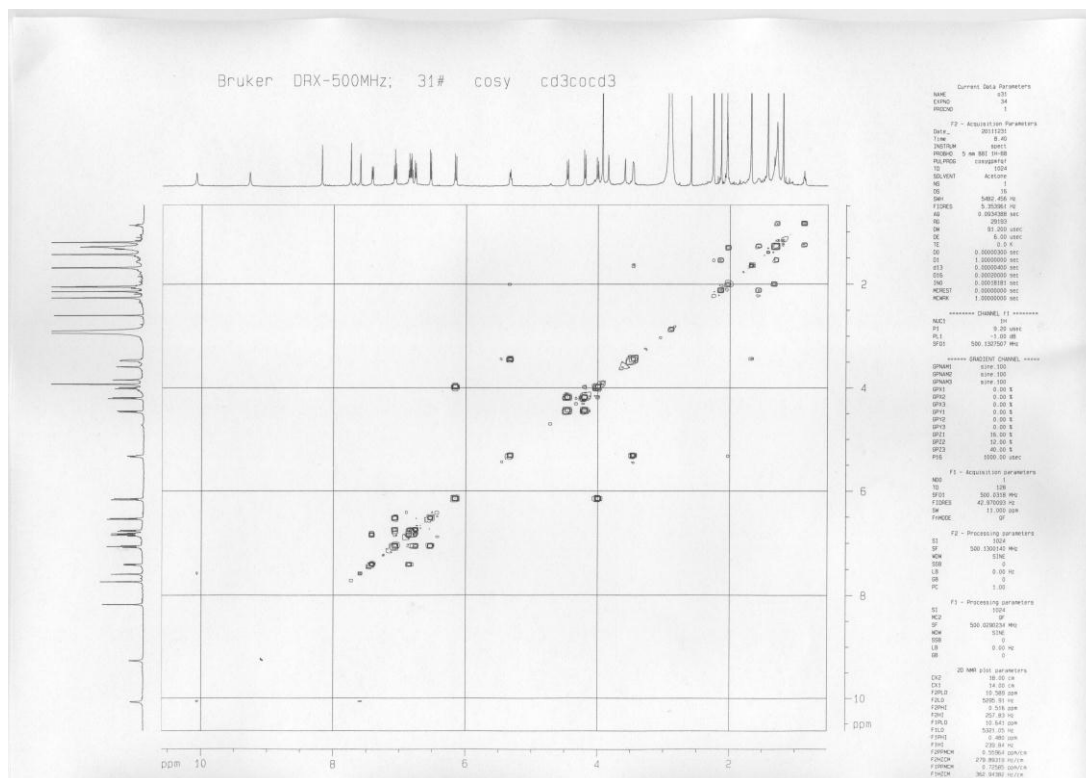
¹³C NMR spectrum of compound 2



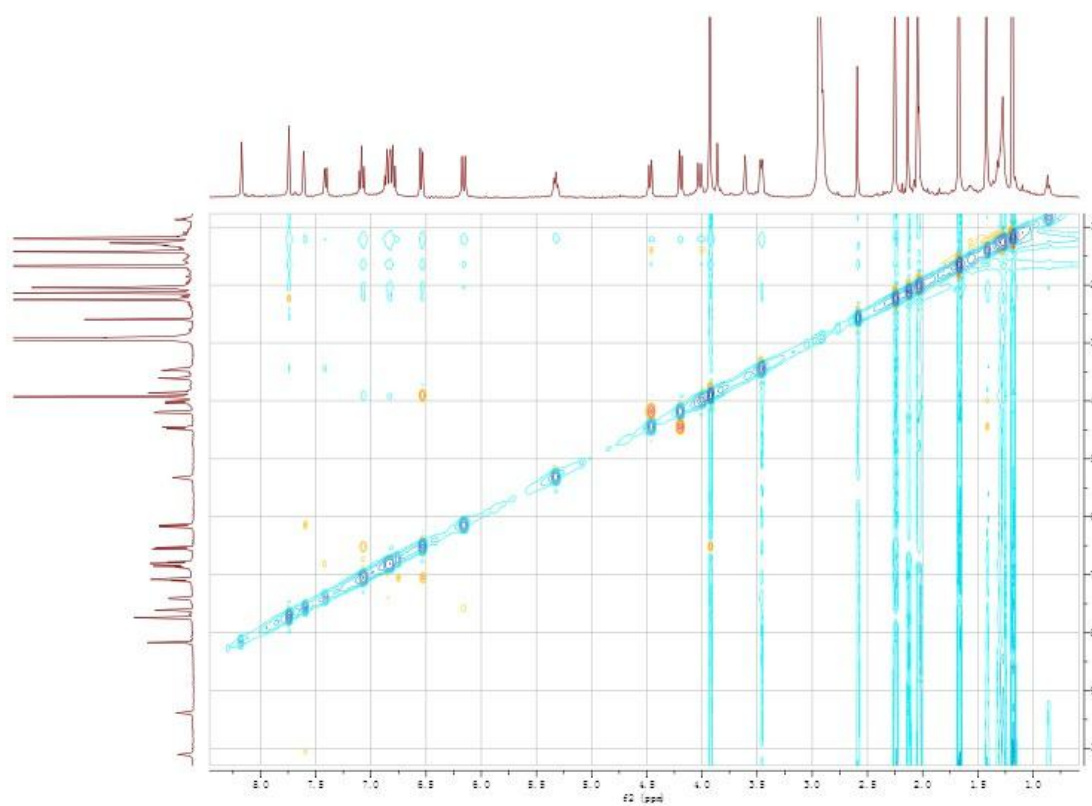
HSQC spectrum of compound 2



HMBC spectrum of compound 2



COSY spectrum of compound 2



ROESY spectrum of compound 2

Single Mass Analysis (displaying only valid results)

Tolerance = 10.0 PPM / DBE: min = 0.5, max = 40.0

Selected filters: None

Monoisotopic Mass, Odd and Even Electron Ions

42 formula(e) evaluated with 1 results within limits (up to 51 closest results for each mass)

Elements Used:

C: 0-200 H: 0-400 N: 2-2 O: 0-8

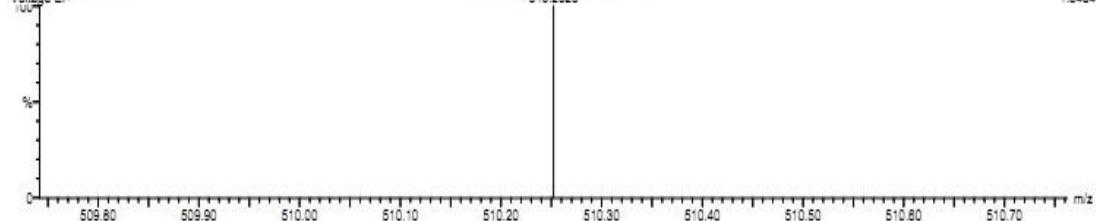
xy-31

11:21:58 02-Mar-2012

Voltage EI+

K1B
M120302EA-02AFAMM 13 (1.193)
510.2523

Autospec Premier
P778
1.34e4



Minimum: 0.5
Maximum: 500.0 10.0 40.0

Mass	Calc. Mass	mDa	PPM	DBE	i-FIT	Formula
510.2523	510.2519	0.4	0.8	17.0	5552728.5	C32 H34 N2 O4

HR-EI-MS spectrum of compound 2