Supporting Information

New 12,23-Epoxydammarane Type Saponins Obtained from *Panax notoginseng* Leaves and Their Anti-Inflammatory Activity

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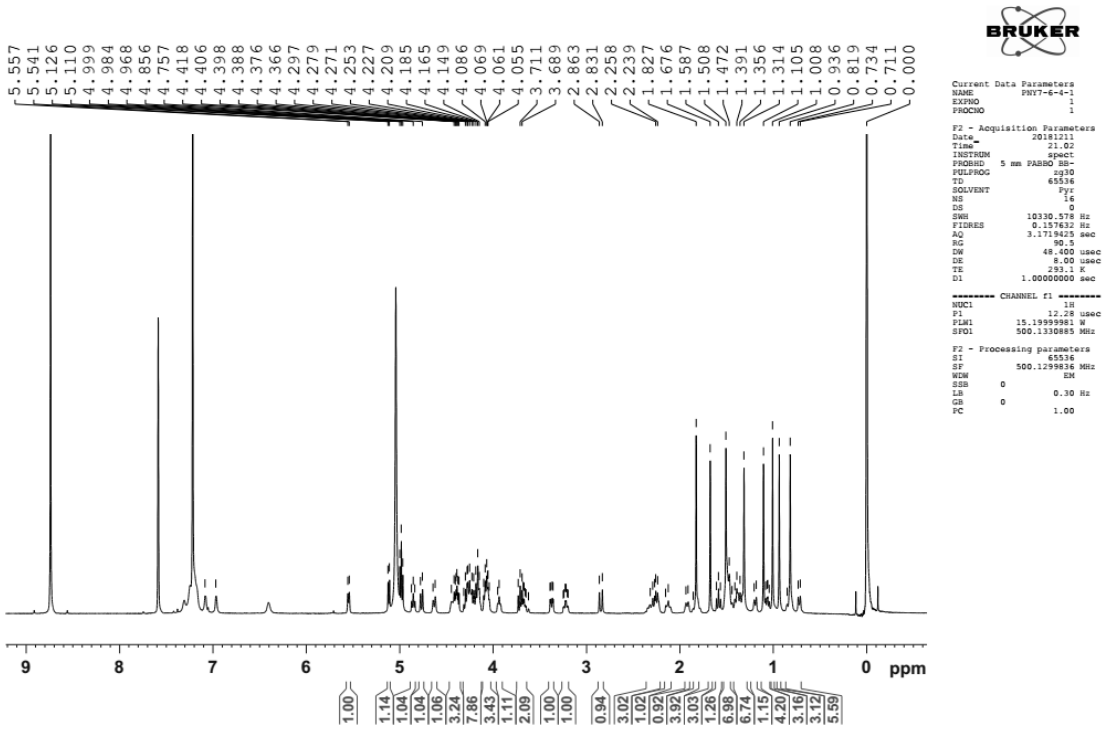


Figure S1 ^{1}H NMR (500 MHz, C_5D_5N) spectrum of **1**

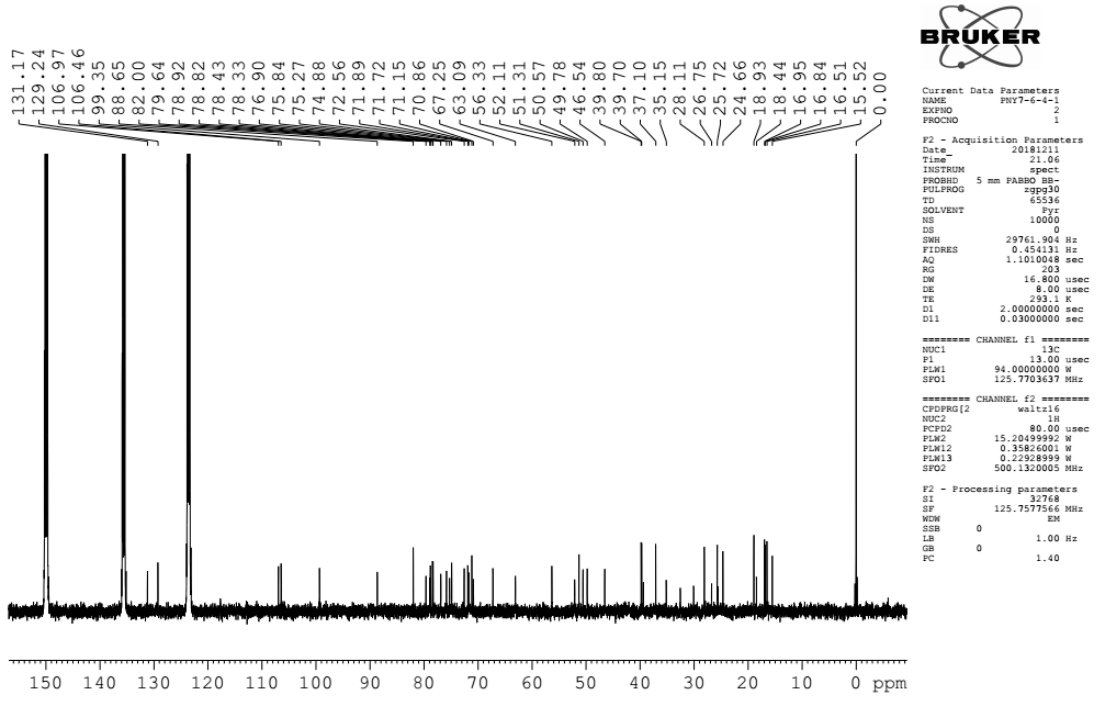


Figure S2 ^{13}C NMR (125 MHz, C_5D_5N) spectrum of **1**

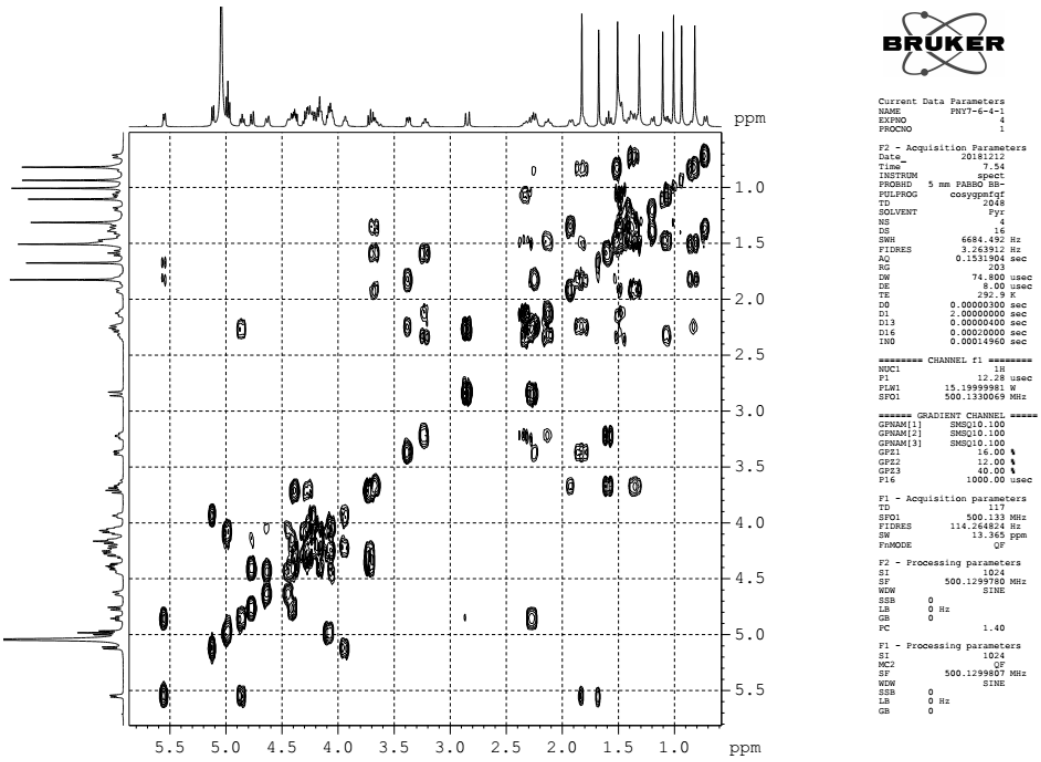


Figure S3 ^{1}H ^{1}H COSY (C_5D_5N) spectrum of **1**

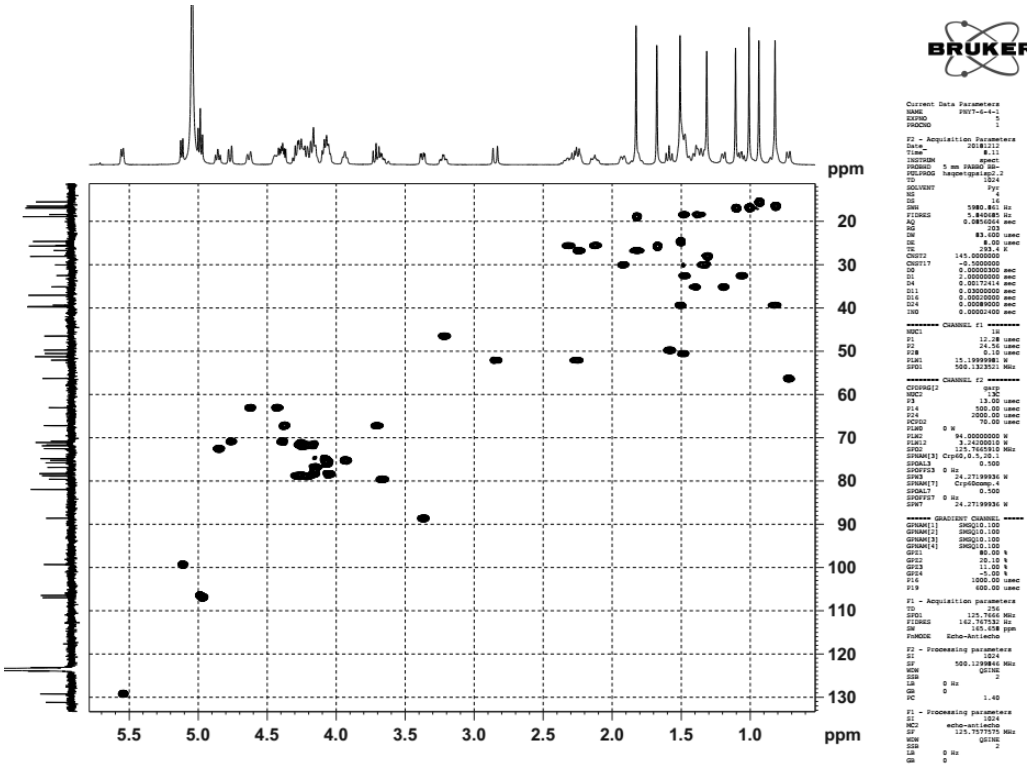


Figure S4 HSQC (C_5D_5N) spectrum of **1**

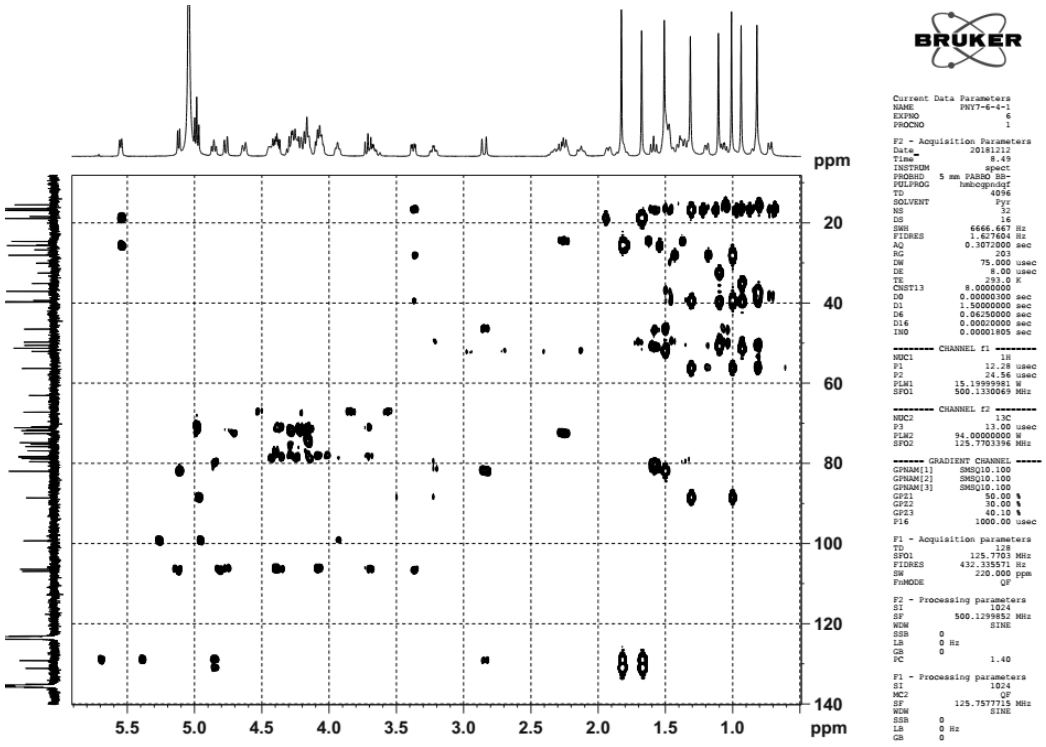


Figure S5 HMBC (C_5D_5N) spectrum of **1**

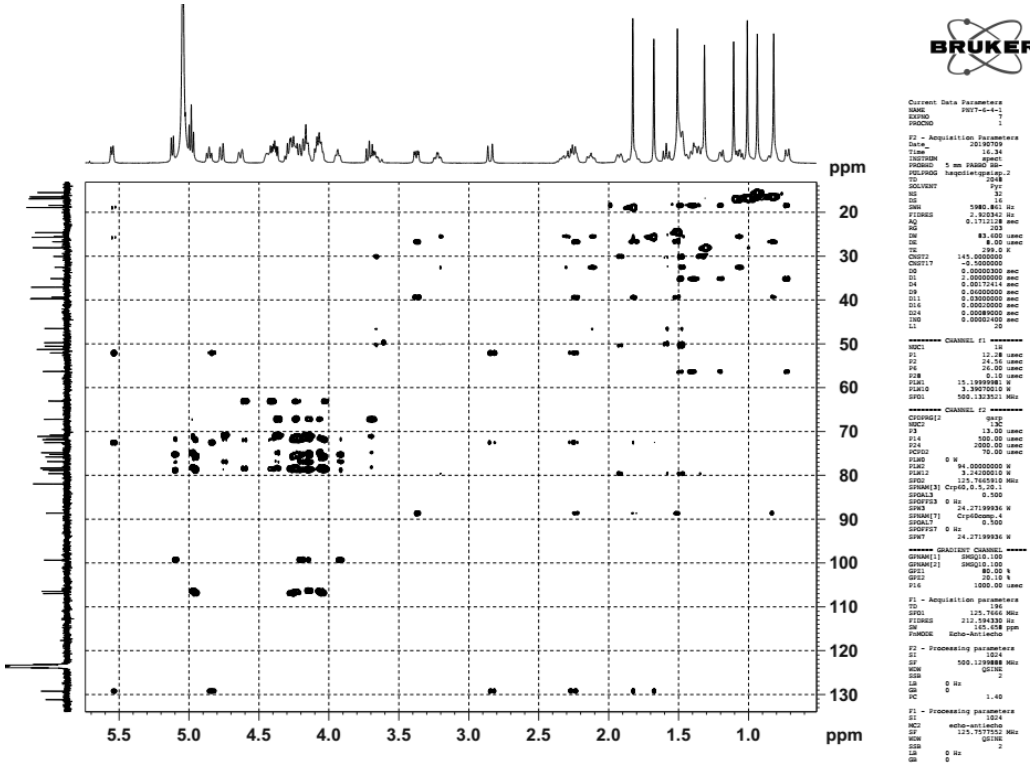


Figure S6 HSQC-TOCSY (C_5D_5N) spectrum of **1**

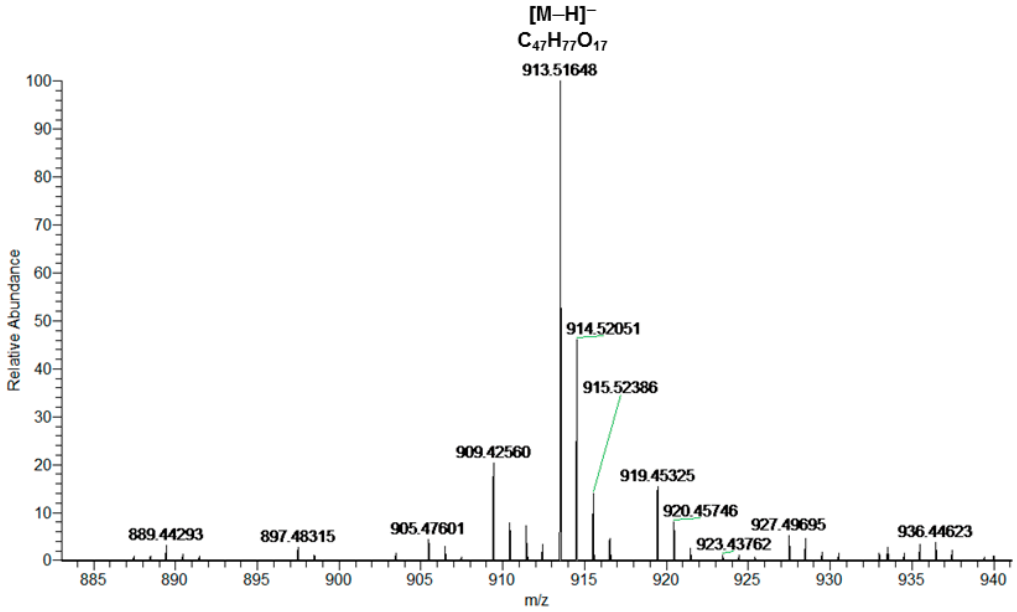


Figure S7 ESI-Q-Orbitrap-MS spectrum of **1**

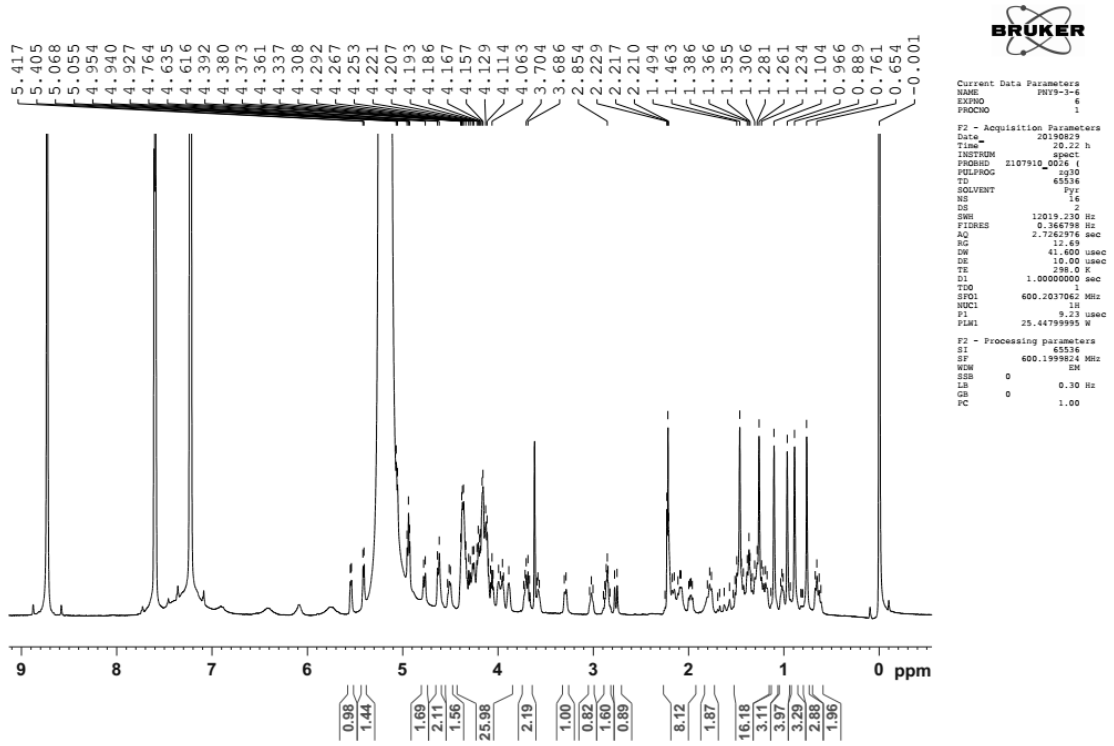


Figure S8 ^{1}H NMR (600 MHz, C_5D_5N) spectrum of **2**

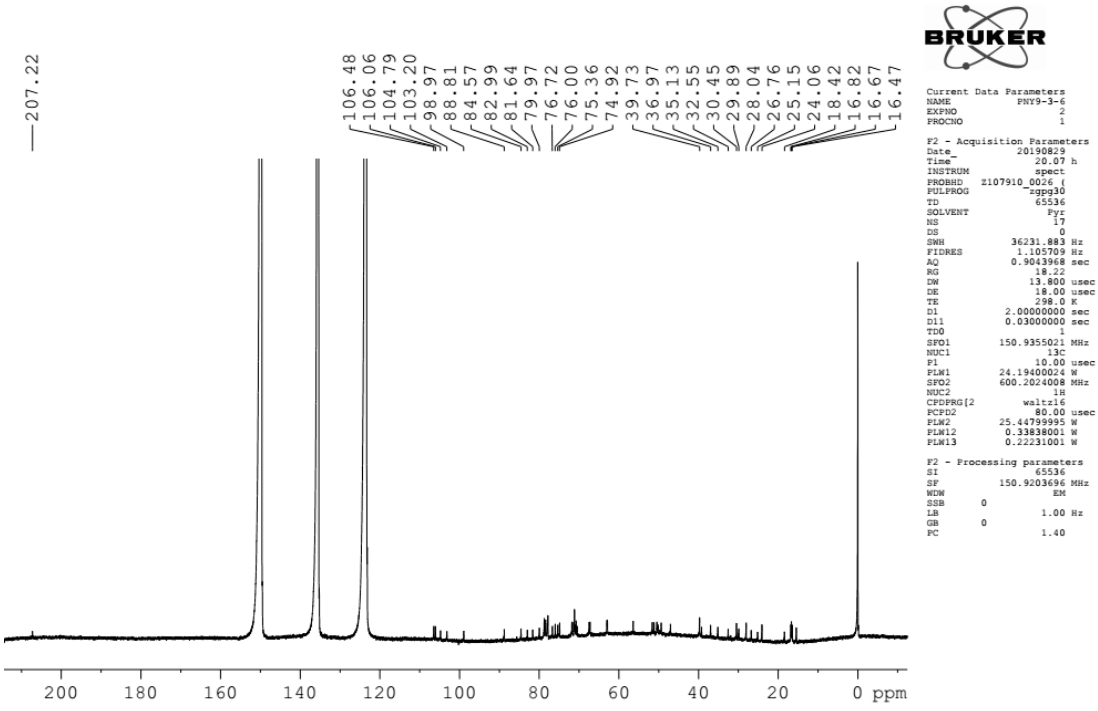


Figure S9 ^{13}C NMR (150 MHz, C_5D_5N) spectrum of **2**

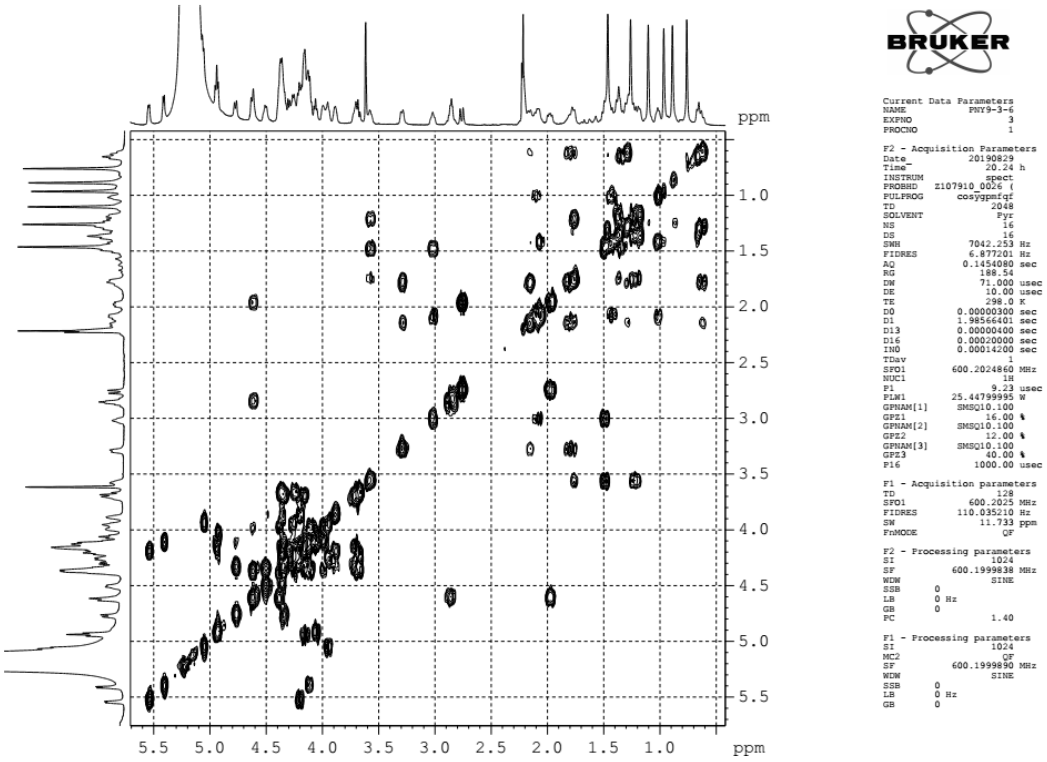


Figure S10 ^{1}H ^{1}H COSY (C_5D_5N) spectrum of **2**

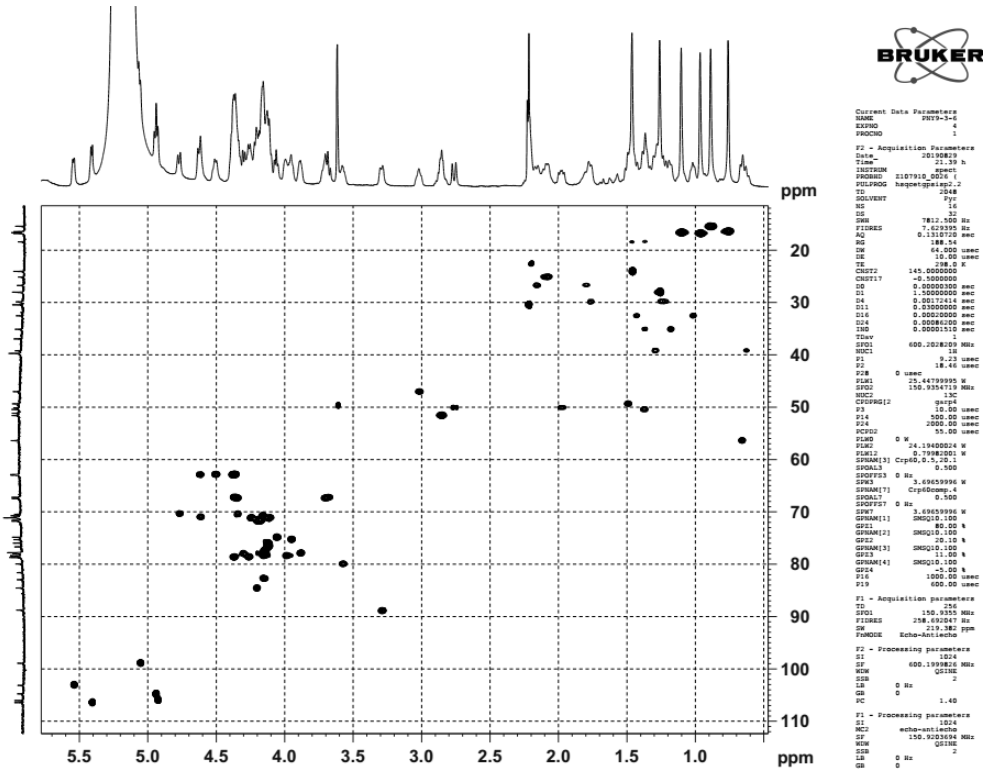
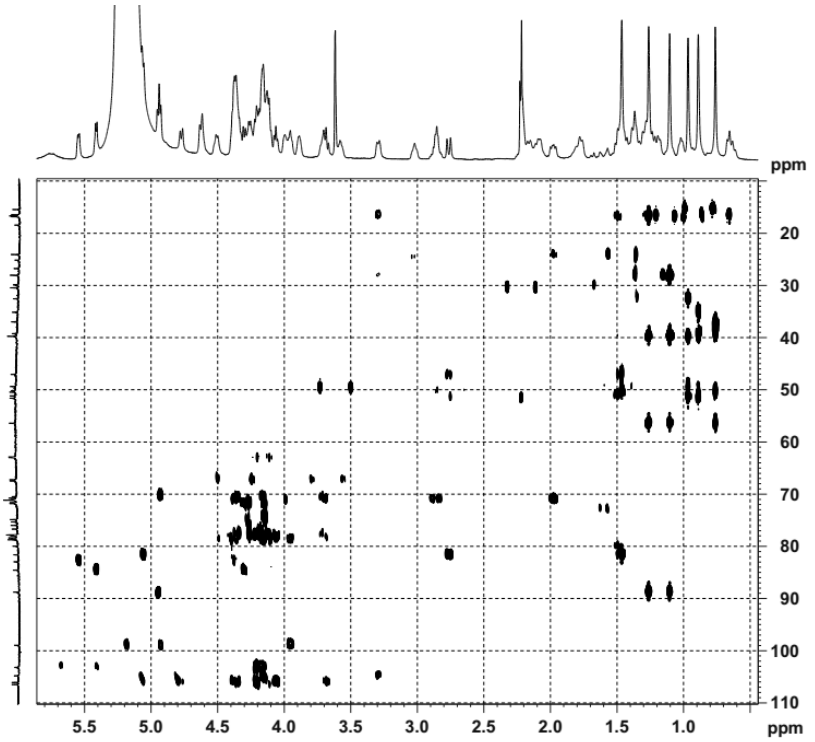


Figure S11 HSQC (C_5D_5N) spectrum of **2**



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EXPNO 11
PROCNO 1

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PULPROG hmbcgpndqf
TD 4096
SOLVENT Pyr
NS 64
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SWH 7352.941 Hz
FIDRES 3.590303 Hz
AQ 0.2785280 sec
RG 188.54
DW 68.000 usec
DE 10.00 usec
TE 298.0 K
CNST13 8.0000000
D0 0.00000300 sec
D1 1.48361599 sec
D6 0.06250000 sec
D16 0.00020000 sec
IN0 0.00001510 sec
TDav 1
SFO1 600.2024152 MHz
NUC1 1H
P1 9.23 usec
P2 18.46 usec
PLW1 25.44799995 W
SFO2 150.9355021 MHz
NUC2 13C
P3 10.00 usec
PLW2 24.19400024 W
GPNAM[1] SMSQ10.100
GPZ1 50.00 %
GPNAM[2] SMSQ10.100
GPZ2 30.00 %
GPNAM[3] SMSQ10.100
GPZ3 40.10 %
P16 1000.00 usec

F1 - Acquisition parameters
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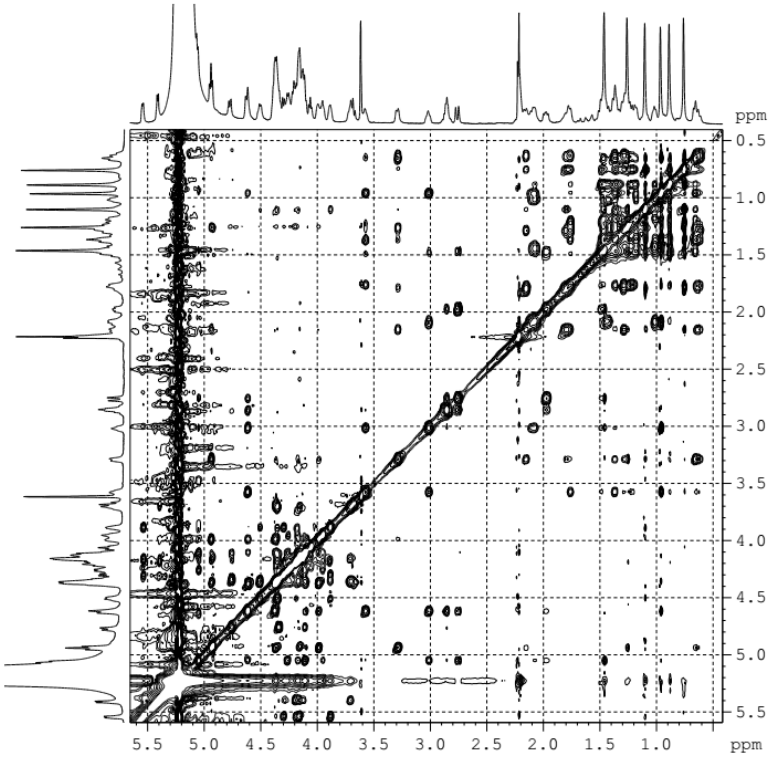
SFO1 150.9355 MHz
FIDRES 517.384094 Hz
SW 219.382 ppm
FnMODE QF

F2 - Processing parameters
SI 4096
SF 600.1999819 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0
PC 1.40

F1 - Processing parameters
SI 1024
MC2 QF
SF 150.9203788 MHz
WDW SINE
SSB 0
LB 0 Hz
GB 0

Figure S12 HMBC (C_5D_5N) spectrum of **2**



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EXPNO 21
PROCNO 1

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TD 2048
SOLVENT Pyr
NS 60
DS 32
SWH 7142.857 Hz
FIDRES 6.975446 Hz
AQ 0.1433600 sec
RG 60.35
DW 70.000 usec
DE 10.00 usec
TE 298.0 K
D0 0.00005825 sec
D1 2.02703309 sec
D8 0.60000002 sec
D11 0.03000000 sec
D12 0.00002000 sec
D16 0.00020000 sec
IN0 0.00014000 sec
SPARSELI 0
TDav 1
SFO1 600.2026164 MHz
NUC1 1H
P1 9.23 usec
P2 18.46 usec
P17 2500.00 usec
PLW1 25.44799995 W
PLW10 3.46499991 W
GPNAM[1] SMSQ10.100
GPZ1 40.00 %
P16 1000.00 usec

F1 - Acquisition parameters
TD 254
SFO1 600.2026 MHz
FIDRES 56.242970 Hz
SW 11.901 ppm
FnMODE States-TPPI

F2 - Processing parameters
SI 1024
SF 600.1999868 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0
PC 1.00

F1 - Processing parameters
SI 1024
MC2 States-TPPI
SF 600.1999864 MHz
WDW QSINE
SSB 2
LB 0 Hz
GB 0

Figure S13 NOSEY (C_5D_5N) spectrum of **2**

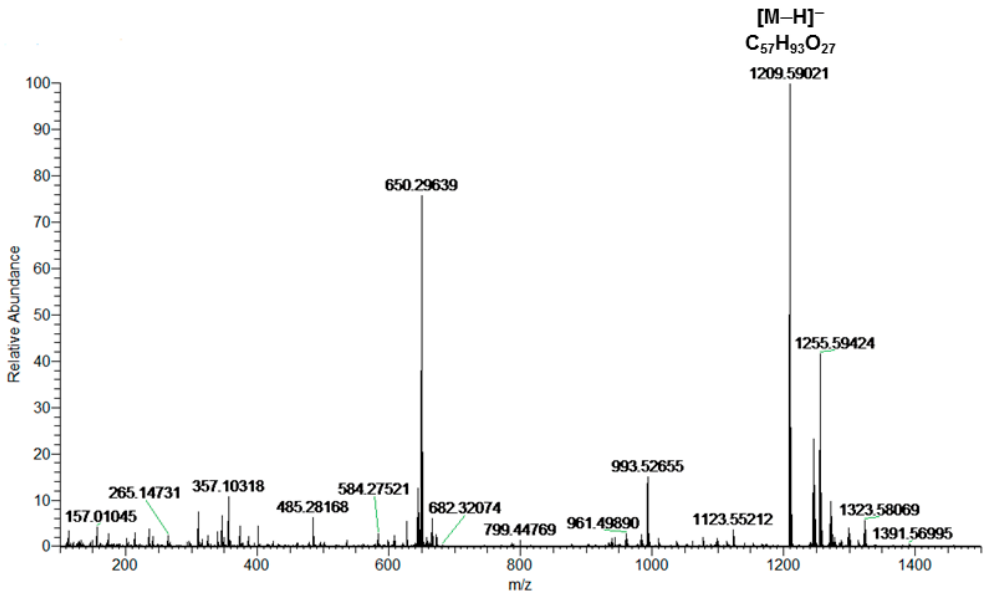

Figure S14 ESI-Q-Orbitrap-MS spectrum of **2**

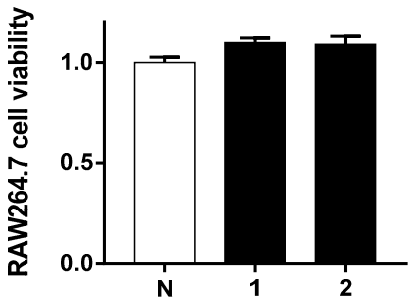

Figure S15 MTT assay of compounds **1** and **2**
at the concentration of 25 μM on RAW 264.7 cells

Cell viability: percentage of normal group (set as 100%). Values represent the mean ± SD of four determinations. n= 4.

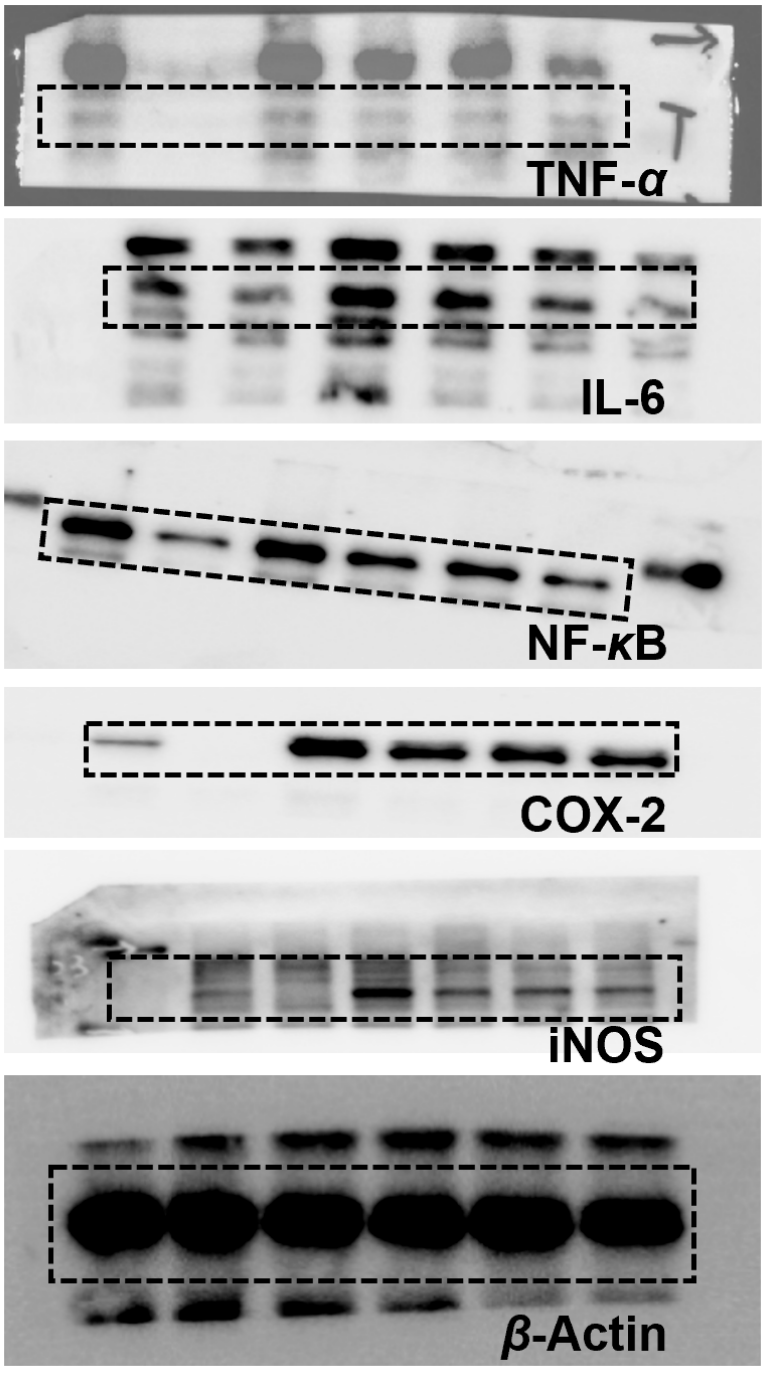

Figure S16 Raw quantification data for figure 3

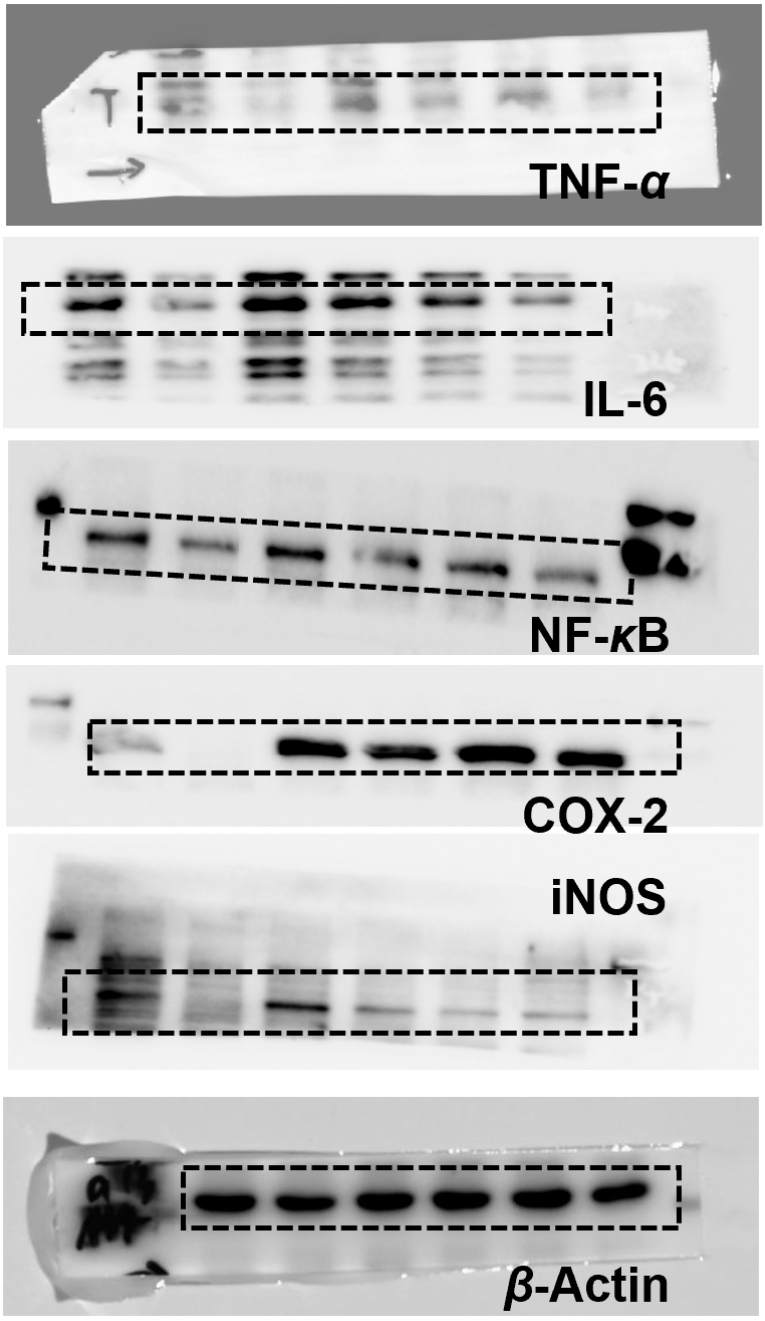

Figure S17 Raw quantification data for figure 4