

Supporting Information

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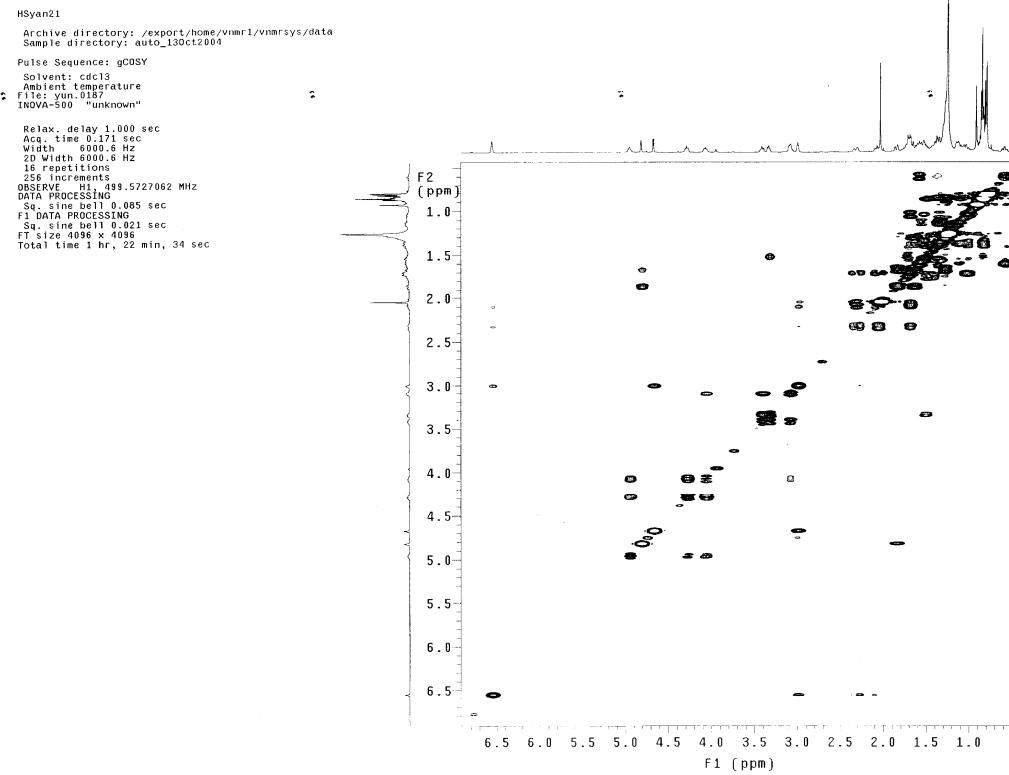
Two New Scaralane-type Sesterterpenoids Isolated from the Marine Sponge *Hyrtios erectus*

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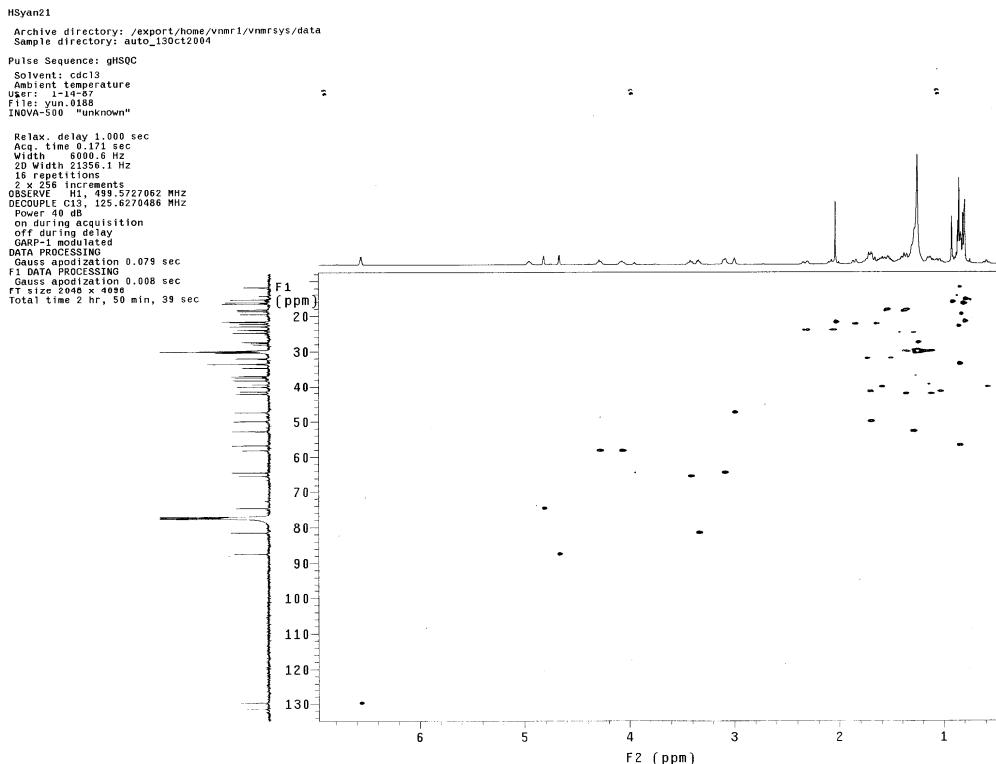
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S3: COSY (500 MHz) Spectrum of Compound



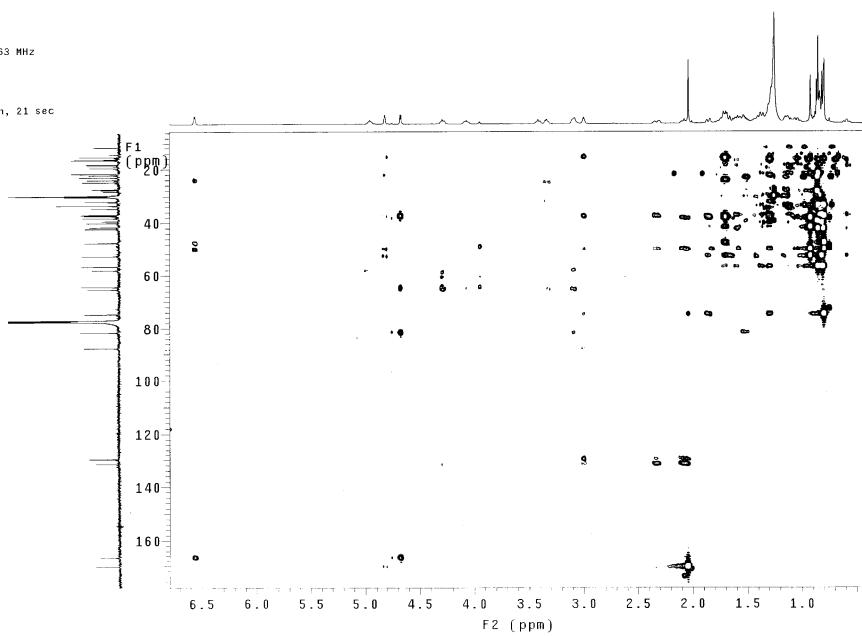
1

S4: gHSQC (500 MHz) Spectrum of Compound 1

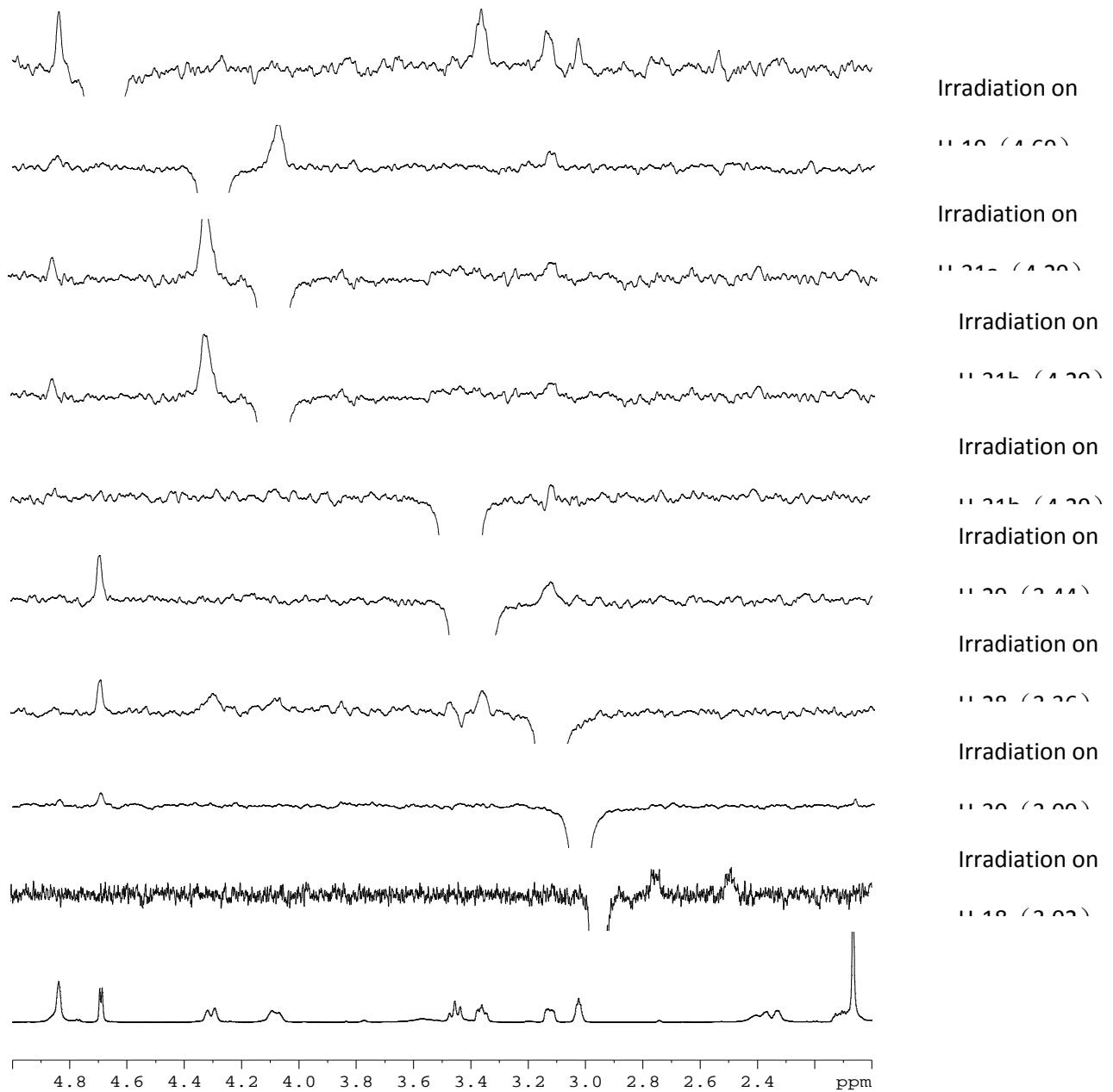
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hsyan-21
Archive directory: /export/home/vnmr1/vnmrjsys/data
Sample directory: auto_13oct2004
Pulse Sequence: gHMBC
Solvent: cdc13
Ambient temperature
User: yun
File: yun.0287
INOVA-500 "unknown"
Relax delay 1.000 sec
Acq time 0.171 sec
Width 6000.6 Hz
2D Width 30143.2 Hz
128 acquisitions
256 increments
OBSERVE: H1, 499.5661963 MHz
DTA PROCESSING
Sine bell 0.085 sec
F1 DATA PROCESSING
Sine bell 0.085 sec
F1 size 2048 x 4096
Total time 11 hr, 38 min, 21 sec

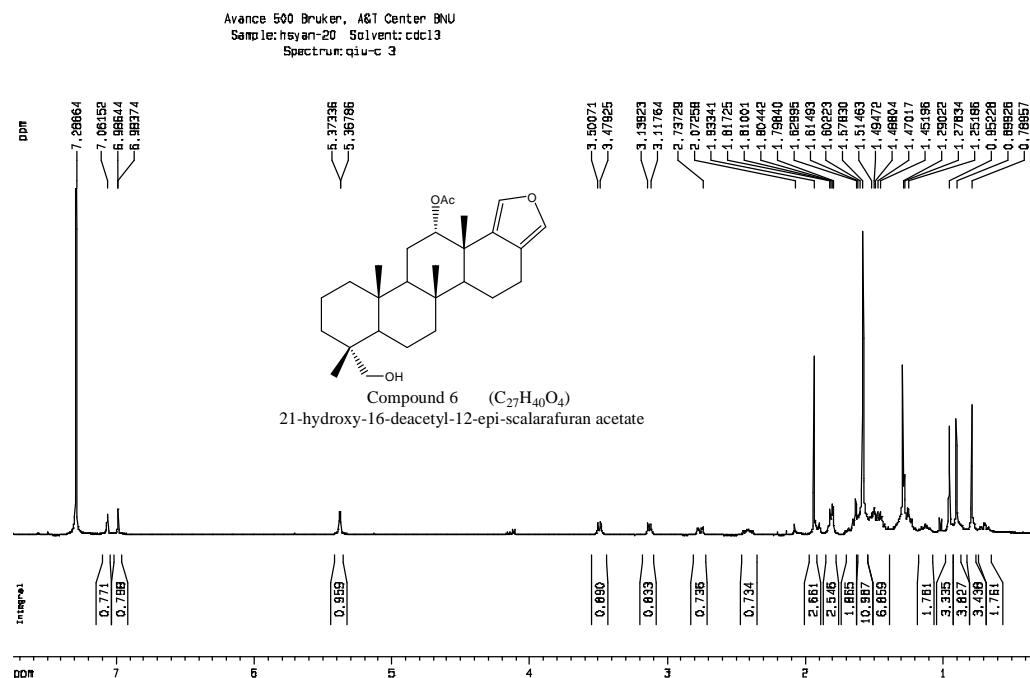
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S5: HMBC (500 MHz) Spectrum of Compound 1

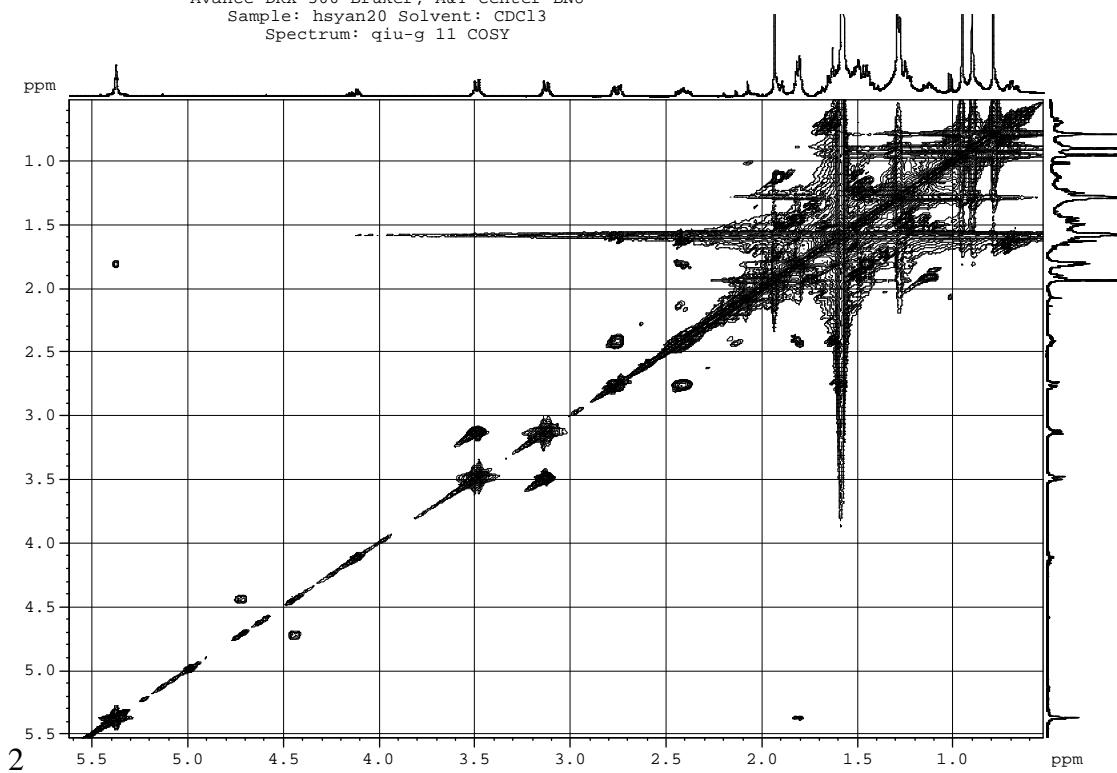


S6: 1D-GOSY (500 MHz) Spectrum of Compound 1

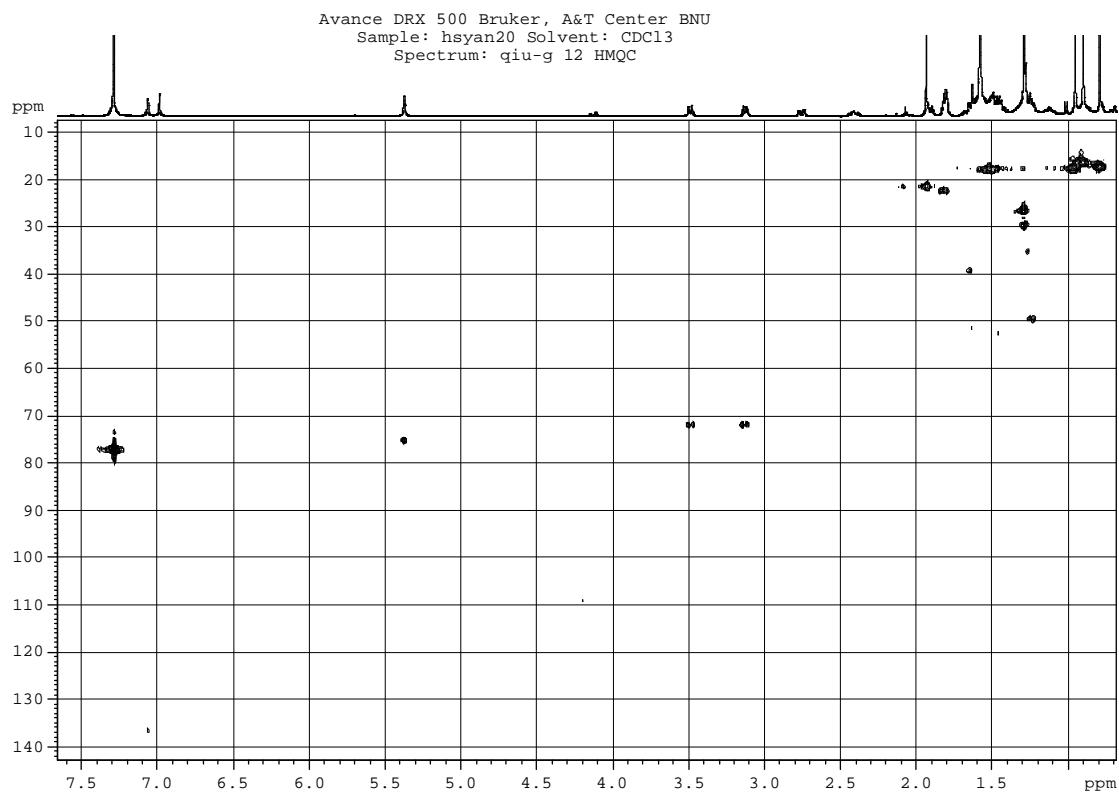


S7: ^1H -NMR (500 MHz, CDCl_3) Spectrum of Compound

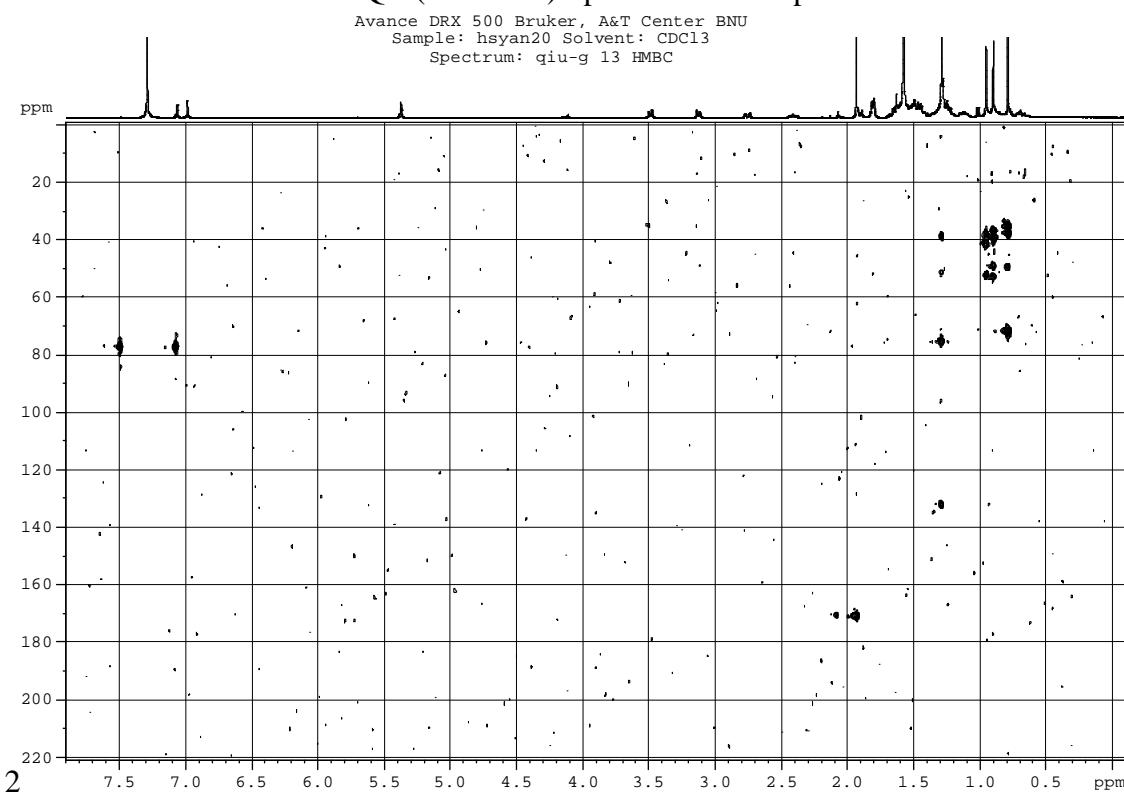
Avance DRX 500 Bruker, A&T Center BNU
Sample: hsyuan20 Solvent: CDCl_3
Spectrum: qiu-g 11 COSY



S8: COSY (500 MHz) Spectrum of Compound 2

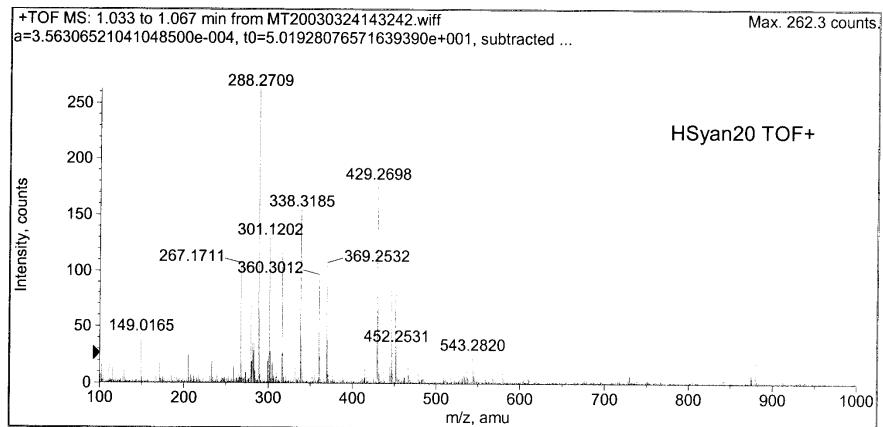


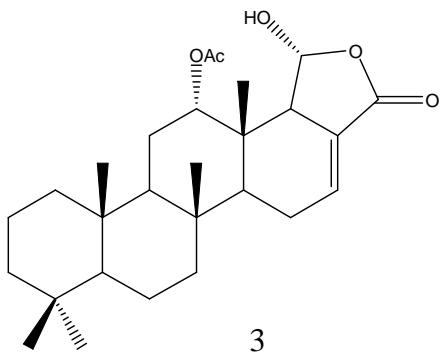
S9: HMQC (500 MHz) Spectrum of Compound



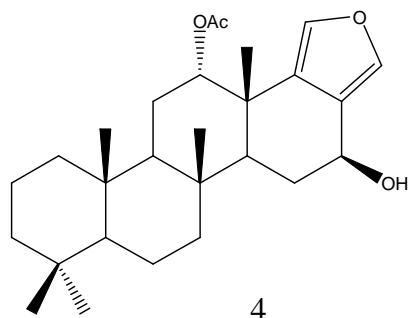
S10: HMBC (500 MHz) Spectrum of Compound 2

Workstation: QSTAR

**S11:** HR-MS Spectrum of Compound 2



Compound **3**, white amorphous, $[\alpha]^{25}_D=+43.2$ ($c=0.60$, CHCl_3); ESI-MS: m/z : 445 [$\text{M}+\text{H}]^+$. $^1\text{H-NMR}$ (CDCl_3): δ_{H} 6.82 (1H, br s, H-16), 5.69 (1H, d, $J = 5.5\text{Hz}$, H-19), 4.91 (1H, br s, H-12), 2.11 (3H, s, COCH_3), 0.95 (3H, s, CH_3 -24), 0.88 (3H, s, CH_3 -21), 0.87 (3H, s, CH_3 -23), 0.84 (3H, s, CH_3 -22), 0.82 (3H, s, CH_3 -25); $^{13}\text{C-NMR}$ (CDCl_3): δ_{C} 171.3 (s, CO), 167.8 (s, C-20), 135.2 (d, C-16), 128.1 (s, C-17), 98.3 (d, C-19), 74.6(d, C-12), 56.4 (d, C- 5), 52.4 (d, C-9), 50.6 (d, C-18), 49.8 (d, C-14), 41.9 (t, C-7), 41.4 (t, C-3), 39.7(t, C-1), 37.8 (s, C-8), 37.2 (s, C-10), 36.8 (s, C-13), 33.28 (s, C-4), 33.25 (q, C-21), 24.2 (t, C-15), 22.3 (t, C-11), 26.7 (q, C-25), 22.3 (t, C-15), 21.4 (q, C-22), 21.3 (q, COCH_3), 18.4 (t, C-6), 18.0 (t, C-2), 16.3 (q, C-23), 16.0 (t, C-24), 15.0 (q, C-25).



Compound **4**, white amorphous, $[\alpha]^{25}_D=+52.0$ ($c=0.40$, CHCl_3); ESI-MS: m/z : 446 [$\text{M}+\text{NH}_4]^+$, 429 [$\text{M}+\text{H}]^+$. $^1\text{H-NMR}$ (CDCl_3): δ_{H} 7.38 (1H, s, H-19), 7.00 (1H, s, H-20), 5.38(1H, br, s, H-12), 4.74 (1H, dd, $J = 10.0, 7.0\text{ Hz}$, H-16), 1.92 (3H, s, COCH_3), 1.33 (3H, s, CH_3 -25), 0.95 (3H, s, CH_3 -24), 0.88 (3H, s, CH_3 -21), 0.85 (3H, s, CH_3 -23), 0.84 (3H, s, CH_3 -22). $^{13}\text{C-NMR}$ (CDCl_3): δ_{C} 170.7 (s, CO), 138.5(d, C-19), 135.5 (d, C-20), 131.7(s, C-18), 125.9 (s, C-17), 74.9 (d, C-12), 66.8 (d, C-16), 56.7 (d, C-5), 52.8 (d, C-14), 49.9 (d, C-9), 41.9 (t, C-7), 41.5 (t, C-3), 39.7 (t, C- 1), 38.8 (s, C-13), 37.6 (s, C-10), 36.9 (s, C-8), 33.3 (s, C-4), 33.2 (q, C-21), 29.7 (t, C-11), 26.7 (q, C- 25), 22.2 (t, C-15), 21.3 (q, COCH_3), 21.3 (q, C-22), 18.5 (t, C-6), 18.1 (t, C-2), 17.5 (q, C- 24), 16.0 (q, C-23).

S12: Fundamental structural data for compounds 3 and 4