

## Dendritic (Phosphine)gold(I) Thiolate Complexes: Assessment of the Molecular Size through PGSE NMR Studies.

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### ELECTRONIC SUPPLEMENTARY INFORMATION

#### PGSE-NMR RESULTS

The next figures and tables show the results obtained in the PGSE-NMR experiments. The figures show the curve fit using the double stimulated echo pulse sequence in which the dependence of the resonance intensity  $I$  on a constant waiting time and on a varied gradient strength  $G$  is described by the equation:

$$I = I_0 \exp\left(-D_i(2\pi\gamma\delta\cdot G)^2\left(\Delta - \frac{\delta}{3}\right)\cdot 10^4\right)$$

## Compound EN-G0-(PPh<sub>2</sub>)<sub>4</sub> (1)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD}-\text{LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.312 ppm

Converged after 36 iterations!

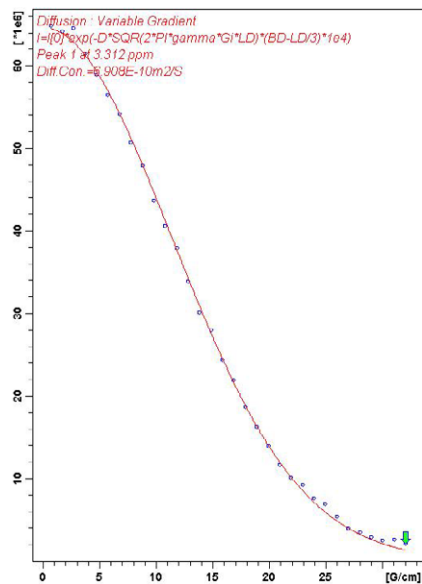
Results Comp. 1

I[0] = 9.975e-001  
 Diff Con. = 6.908e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 2.348e-003

SD = 8.565e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	9.957e-001	-4.295e-003
2	1.686e+000	9.898e-001	9.865e-001	-3.247e-003
3	2.697e+000	9.962e-001	9.697e-001	-2.656e-002
4	3.709e+000	9.481e-001	9.455e-001	-2.569e-003
5	4.720e+000	9.086e-001	9.147e-001	6.122e-003
6	5.732e+000	8.715e-001	8.779e-001	6.358e-003
7	6.743e+000	8.348e-001	8.359e-001	1.062e-003
8	7.755e+000	7.810e-001	7.895e-001	8.546e-003
9	8.766e+000	7.383e-001	7.399e-001	1.584e-003
10	9.778e+000	6.735e-001	6.878e-001	1.436e-002
11	1.079e+001	6.246e-001	6.344e-001	9.830e-003
12	1.180e+001	5.830e-001	5.805e-001	-2.542e-003
13	1.281e+001	5.211e-001	5.270e-001	5.842e-003
14	1.382e+001	4.637e-001	4.746e-001	1.085e-002
15	1.484e+001	4.305e-001	4.240e-001	-6.464e-003
16	1.585e+001	3.738e-001	3.758e-001	2.031e-003
17	1.686e+001	3.370e-001	3.305e-001	-6.553e-003
18	1.787e+001	2.862e-001	2.883e-001	2.152e-003
19	1.888e+001	2.485e-001	2.495e-001	1.006e-003
20	1.989e+001	2.129e-001	2.142e-001	1.343e-003
21	2.090e+001	1.775e-001	1.825e-001	4.930e-003
22	2.192e+001	1.533e-001	1.542e-001	9.441e-004
23	2.293e+001	1.405e-001	1.293e-001	-1.119e-002
24	2.394e+001	1.147e-001	1.075e-001	-7.176e-003
25	2.495e+001	1.050e-001	8.871e-002	-1.624e-002
26	2.596e+001	8.113e-002	7.263e-002	-8.499e-003
27	2.697e+001	5.836e-002	5.897e-002	6.135e-004
28	2.798e+001	5.117e-002	4.752e-002	-3.651e-003
29	2.900e+001	4.138e-002	3.798e-002	-3.403e-003
30	3.001e+001	3.631e-002	3.012e-002	-6.191e-003
31	3.102e+001	3.688e-002	2.369e-002	-1.319e-002
32	3.203e+001	2.942e-002	1.849e-002	-1.093e-002



## Compound DAB-G0-(PPh<sub>2</sub>)<sub>4</sub> (2)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*SQR(2*PI*\gamma*LD)*(BD-LD/3)*1e4)$$

27 points for Peak 1, Peak Point = 3.714 ppm

Converged after 37 iterations!

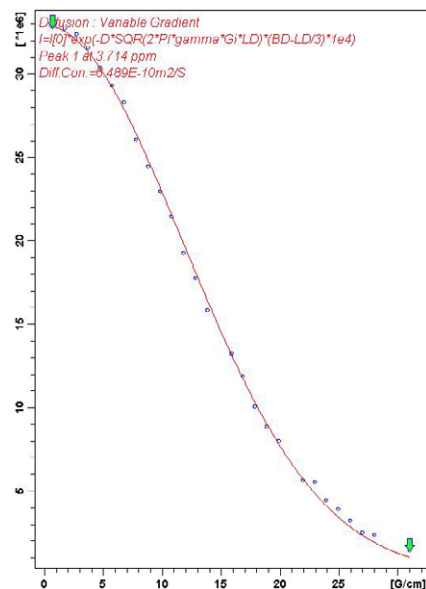
Results Comp. 1

I[0] = 1.003e+000  
 Diff Con. = 6.489e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 2.769e-003

SD = 1.013e-002

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	1.001e+000	8.565e-004
2	1.686e+000	9.980e-001	9.922e-001	-5.817e-003
3	2.697e+000	9.871e-001	9.762e-001	-1.081e-002
4	3.709e+000	9.624e-001	9.534e-001	-9.002e-003
5	4.720e+000	9.254e-001	9.242e-001	-1.217e-003
6	5.732e+000	8.930e-001	8.892e-001	-3.862e-003
7	6.743e+000	8.627e-001	8.492e-001	-1.358e-002
8	7.755e+000	7.951e-001	8.049e-001	9.791e-003
9	8.766e+000	7.447e-001	7.573e-001	1.260e-002
10	9.778e+000	6.990e-001	7.071e-001	8.065e-003
11	1.079e+001	6.534e-001	6.554e-001	1.977e-003
12	1.180e+001	5.858e-001	6.029e-001	1.711e-002
13	1.281e+001	5.413e-001	5.506e-001	9.261e-003
14	1.382e+001	4.821e-001	4.990e-001	1.687e-002
15	1.585e+001	4.019e-001	4.008e-001	-1.063e-003
16	1.686e+001	3.611e-001	3.552e-001	-5.893e-003
17	1.787e+001	3.059e-001	3.124e-001	6.517e-003
18	1.888e+001	2.684e-001	2.728e-001	4.380e-003
19	1.989e+001	2.423e-001	2.364e-001	-5.905e-003
20	2.192e+001	1.698e-001	1.736e-001	3.750e-003
21	2.293e+001	1.670e-001	1.471e-001	-1.988e-002
22	2.394e+001	1.336e-001	1.237e-001	-9.886e-003
23	2.495e+001	1.182e-001	1.033e-001	-1.497e-002
24	2.596e+001	9.738e-002	8.558e-002	-1.180e-002
25	2.697e+001	7.470e-002	7.037e-002	-4.330e-003
26	2.798e+001	7.049e-002	5.745e-002	-1.303e-002
27	3.102e+001	4.243e-002	2.988e-002	-1.254e-002



### Compound DAB-G1-(PPh<sub>2</sub>)<sub>8</sub> (3)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*SQR(2*PI*\gamma*Gi*LD)*(BD-LD/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.558 ppm

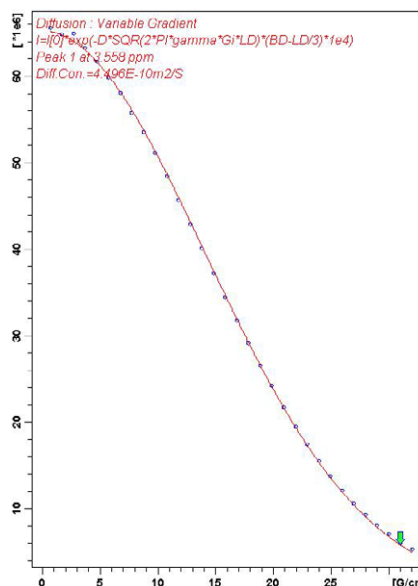
Converged after 40 iterations!

Results Comp. 1

I[0] = 9.957e-001  
 Diff Con. = 4.496e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 4.285e-004

SD = 3.659e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	9.945e-001	-5.468e-003
2	1.686e+000	9.894e-001	9.885e-001	-8.838e-004
3	2.697e+000	9.904e-001	9.775e-001	-1.291e-002
4	3.709e+000	9.651e-001	9.616e-001	-3.508e-003
5	4.720e+000	9.409e-001	9.411e-001	2.274e-004
6	5.732e+000	9.135e-001	9.163e-001	2.799e-003
7	6.743e+000	8.860e-001	8.875e-001	1.449e-003
8	7.755e+000	8.509e-001	8.551e-001	4.226e-003
9	8.766e+000	8.159e-001	8.198e-001	3.830e-003
10	9.778e+000	7.791e-001	7.818e-001	2.633e-003
11	1.079e+001	7.386e-001	7.417e-001	3.043e-003
12	1.180e+001	6.965e-001	7.000e-001	3.471e-003
13	1.281e+001	6.531e-001	6.573e-001	4.165e-003
14	1.382e+001	6.105e-001	6.140e-001	3.518e-003
15	1.484e+001	5.664e-001	5.706e-001	4.142e-003
16	1.585e+001	5.244e-001	5.275e-001	3.126e-003
17	1.686e+001	4.828e-001	4.851e-001	2.304e-003
18	1.787e+001	4.443e-001	4.439e-001	-3.457e-004
19	1.888e+001	4.038e-001	4.040e-001	2.523e-004
20	1.989e+001	3.680e-001	3.659e-001	-2.075e-003
21	2.090e+001	3.306e-001	3.296e-001	-1.011e-003
22	2.192e+001	2.964e-001	2.954e-001	-9.894e-004
23	2.293e+001	2.646e-001	2.634e-001	-1.196e-003
24	2.394e+001	2.356e-001	2.336e-001	-1.996e-003
25	2.495e+001	2.088e-001	2.061e-001	-2.677e-003
26	2.596e+001	1.835e-001	1.810e-001	-2.537e-003
27	2.697e+001	1.601e-001	1.580e-001	-2.073e-003
28	2.798e+001	1.397e-001	1.373e-001	-2.436e-003
29	2.900e+001	1.224e-001	1.187e-001	-3.773e-003
30	3.001e+001	1.056e-001	1.020e-001	-3.576e-003
31	3.102e+001	8.923e-002	8.730e-002	-1.935e-003
32	3.203e+001	7.873e-002	7.429e-002	-4.446e-003

## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-F)<sub>4</sub>]{(EN-G0-(PPh<sub>2</sub>)<sub>4</sub>)} (7)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*G*\text{LD})*(BD-\text{LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.889 ppm

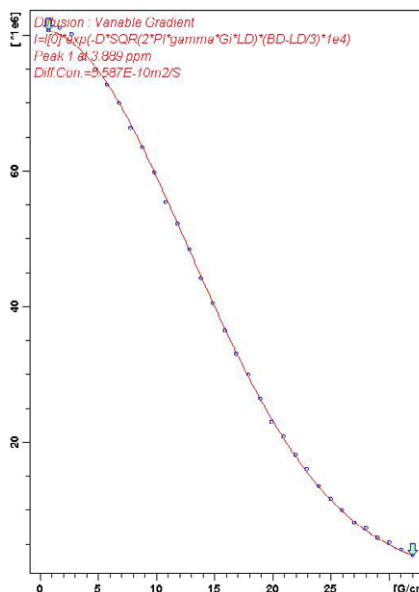
Converged after 33 iterations!

Results Comp. 1

I[0] = 9.961e-001  
 Diff Con. = 5.587e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 7.559e-004

SD = 4.860e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	9.958e-001	9.946e-001	-1.201e-003
2	1.686e+000	1.000e+000	9.872e-001	-1.280e-002
3	2.697e+000	9.875e-001	9.735e-001	-1.397e-002
4	3.709e+000	9.458e-001	9.539e-001	8.144e-003
5	4.720e+000	9.230e-001	9.287e-001	5.662e-003
6	5.732e+000	8.962e-001	8.983e-001	2.075e-003
7	6.743e+000	8.620e-001	8.634e-001	1.383e-003
8	7.755e+000	8.176e-001	8.245e-001	6.860e-003
9	8.766e+000	7.823e-001	7.823e-001	-1.656e-005
10	9.778e+000	7.359e-001	7.375e-001	1.564e-003
11	1.079e+001	6.820e-001	6.908e-001	8.836e-003
12	1.180e+001	6.428e-001	6.429e-001	1.265e-004
13	1.281e+001	5.968e-001	5.945e-001	-2.275e-003
14	1.382e+001	5.437e-001	5.463e-001	2.610e-003
15	1.484e+001	4.988e-001	4.987e-001	-1.184e-004
16	1.585e+001	4.491e-001	4.523e-001	3.268e-003
17	1.686e+001	4.066e-001	4.076e-001	1.088e-003
18	1.787e+001	3.690e-001	3.650e-001	-3.974e-003
19	1.888e+001	3.249e-001	3.248e-001	-1.135e-004
20	1.989e+001	2.818e-001	2.871e-001	5.267e-003
21	2.090e+001	2.563e-001	2.522e-001	-4.156e-003
22	2.192e+001	2.220e-001	2.201e-001	-1.963e-003
23	2.293e+001	1.955e-001	1.908e-001	-4.711e-003
24	2.394e+001	1.653e-001	1.644e-001	-9.407e-004
25	2.495e+001	1.424e-001	1.407e-001	-1.711e-003
26	2.596e+001	1.220e-001	1.197e-001	-2.289e-003
27	2.697e+001	9.966e-002	1.011e-001	1.488e-003
28	2.798e+001	8.899e-002	8.494e-002	-4.048e-003
29	2.900e+001	7.130e-002	7.086e-002	-4.429e-004
30	3.001e+001	6.354e-002	5.874e-002	-4.801e-003
31	3.102e+001	4.948e-002	4.838e-002	-1.098e-003
32	3.203e+001	3.897e-002	3.959e-002	6.152e-004

## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-OMe)<sub>4</sub>]{(EN-G0-(PPh<sub>2</sub>)<sub>4</sub>)} (8)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*Gi*LD)*(BD-LD/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.888 ppm

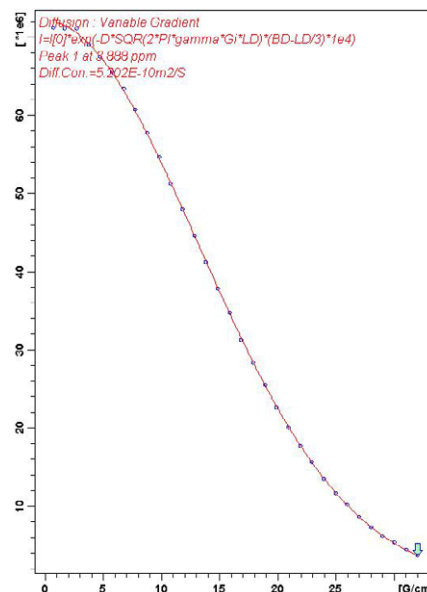
Converged after 34 iterations!

Results Comp. 1

I[0] = 1.012e+000  
 Diff Con. = 5.202e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 2.658e-004

SD = 2.882e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	1.010e+000	1.026e-002
2	1.686e+000	9.978e-001	1.003e+000	5.417e-003
3	2.697e+000	9.980e-001	9.903e-001	-7.727e-003
4	3.709e+000	9.689e-001	9.717e-001	2.754e-003
5	4.720e+000	9.481e-001	9.477e-001	-3.455e-004
6	5.732e+000	9.204e-001	9.188e-001	-1.574e-003
7	6.743e+000	8.896e-001	8.855e-001	-4.030e-003
8	7.755e+000	8.520e-001	8.483e-001	-3.696e-003
9	8.766e+000	8.104e-001	8.078e-001	-2.554e-003
10	9.778e+000	7.673e-001	7.647e-001	-2.671e-003
11	1.079e+001	7.198e-001	7.195e-001	-2.972e-004
12	1.180e+001	6.727e-001	6.729e-001	2.131e-004
13	1.281e+001	6.256e-001	6.257e-001	2.321e-005
14	1.382e+001	5.778e-001	5.782e-001	4.601e-004
15	1.484e+001	5.306e-001	5.312e-001	5.498e-004
16	1.585e+001	4.865e-001	4.851e-001	-1.413e-003
17	1.686e+001	4.383e-001	4.403e-001	1.953e-003
18	1.787e+001	3.978e-001	3.973e-001	-5.504e-004
19	1.888e+001	3.562e-001	3.563e-001	4.681e-005
20	1.989e+001	3.167e-001	3.177e-001	9.286e-004
21	2.090e+001	2.810e-001	2.815e-001	5.047e-004
22	2.192e+001	2.466e-001	2.480e-001	1.381e-003
23	2.293e+001	2.176e-001	2.171e-001	-4.387e-004
24	2.394e+001	1.880e-001	1.890e-001	1.057e-003
25	2.495e+001	1.622e-001	1.635e-001	1.371e-003
26	2.596e+001	1.411e-001	1.407e-001	-4.286e-004
27	2.697e+001	1.204e-001	1.203e-001	-1.188e-004
28	2.798e+001	1.007e-001	1.022e-001	1.504e-003
29	2.900e+001	8.532e-002	8.633e-002	1.008e-003
30	3.001e+001	7.358e-002	7.250e-002	-1.087e-003
31	3.102e+001	6.052e-002	6.052e-002	-1.818e-006
32	3.203e+001	4.999e-002	5.021e-002	2.122e-004

## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-Me)<sub>4</sub>{(EN-G0-(PPh<sub>2</sub>)<sub>4</sub>)}] (9)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(BD-\text{LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.879 ppm

Converged after 34 iterations!

Results Comp. 1

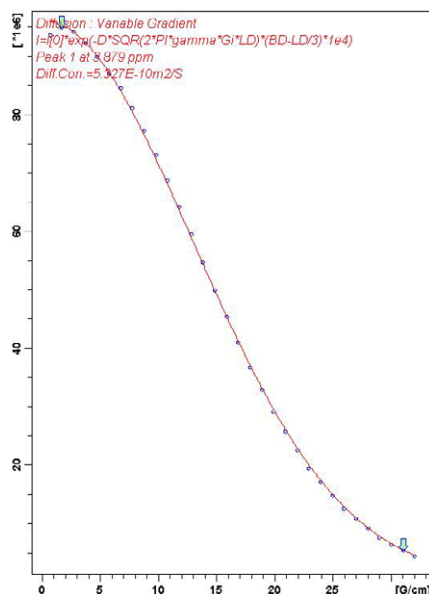
I[0] = 1.015e+000  
 Diff Con. = 5.327e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 1.351e-003

SD = 6.498e-003

Point	Gradient	Expt	Calc	Difference
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1	6.740e-001	9.869e-001	1.013e+000	2.631e-002
2	1.686e+000	1.000e+000	1.006e+000	5.944e-003
3	2.697e+000	9.927e-001	9.927e-001	-4.771e-005
4	3.709e+000	9.730e-001	9.736e-001	5.969e-004
5	4.720e+000	9.479e-001	9.490e-001	1.091e-003
6	5.732e+000	9.175e-001	9.194e-001	1.894e-003
7	6.743e+000	8.922e-001	8.853e-001	-6.942e-003
8	7.755e+000	8.548e-001	8.472e-001	-7.570e-003
9	8.766e+000	8.140e-001	8.058e-001	-8.202e-003
10	9.778e+000	7.707e-001	7.618e-001	-8.971e-003
11	1.079e+001	7.250e-001	7.157e-001	-9.270e-003
12	1.180e+001	6.762e-001	6.683e-001	-7.872e-003
13	1.281e+001	6.269e-001	6.203e-001	-6.637e-003
14	1.382e+001	5.763e-001	5.722e-001	-4.073e-003
15	1.484e+001	5.262e-001	5.246e-001	-1.682e-003
16	1.585e+001	4.784e-001	4.780e-001	-4.311e-004
17	1.686e+001	4.318e-001	4.328e-001	1.009e-003
18	1.787e+001	3.861e-001	3.896e-001	3.507e-003
19	1.888e+001	3.461e-001	3.485e-001	2.363e-003
20	1.989e+001	3.057e-001	3.099e-001	4.145e-003
21	2.090e+001	2.705e-001	2.738e-001	3.282e-003
22	2.192e+001	2.367e-001	2.405e-001	3.833e-003
23	2.293e+001	2.039e-001	2.099e-001	5.981e-003
24	2.394e+001	1.788e-001	1.821e-001	3.310e-003
25	2.495e+001	1.546e-001	1.570e-001	2.401e-003
26	2.596e+001	1.308e-001	1.346e-001	3.720e-003
27	2.697e+001	1.129e-001	1.146e-001	1.739e-003
28	2.798e+001	9.515e-002	9.702e-002	1.878e-003
29	2.900e+001	7.888e-002	8.162e-002	2.740e-003
30	3.001e+001	6.587e-002	6.826e-002	2.387e-003
31	3.102e+001	5.501e-002	5.674e-002	1.725e-003
32	3.203e+001	4.521e-002	4.686e-002	1.650e-003



## Compound $[\text{Au}_4(\text{S-C}_6\text{H}_4\text{-NO}_2)_4\{(\text{EN-G0-(PPh}_2)_4\}]$ (10)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD-LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.871 ppm

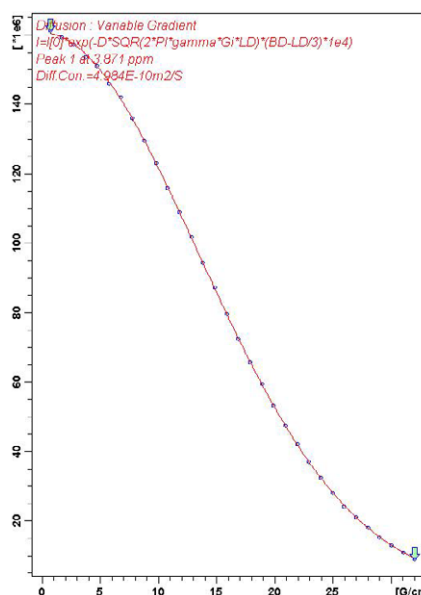
Converged after 38 iterations!

Results Comp. 1

$I[0]$  = 9.970e-001  
 Diff Con. = 4.984e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 1.086e-004

SD = 1.842e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	9.957e-001	-4.299e-003
2	1.686e+000	9.880e-001	9.891e-001	1.042e-003
3	2.697e+000	9.762e-001	9.768e-001	6.422e-004
4	3.709e+000	9.533e-001	9.592e-001	5.976e-003
5	4.720e+000	9.365e-001	9.366e-001	5.693e-005
6	5.732e+000	9.059e-001	9.092e-001	3.271e-003
7	6.743e+000	8.813e-001	8.776e-001	-3.696e-003
8	7.755e+000	8.435e-001	8.422e-001	-1.274e-003
9	8.766e+000	8.037e-001	8.037e-001	-2.606e-005
10	9.778e+000	7.626e-001	7.625e-001	-1.326e-004
11	1.079e+001	7.181e-001	7.193e-001	1.228e-003
12	1.180e+001	6.748e-001	6.746e-001	-1.279e-004
13	1.281e+001	6.310e-001	6.292e-001	-1.835e-003
14	1.382e+001	5.855e-001	5.834e-001	-2.089e-003
15	1.484e+001	5.399e-001	5.378e-001	-2.037e-003
16	1.585e+001	4.927e-001	4.930e-001	3.071e-004
17	1.686e+001	4.485e-001	4.493e-001	8.493e-004
18	1.787e+001	4.071e-001	4.072e-001	1.073e-004
19	1.888e+001	3.679e-001	3.669e-001	-1.015e-003
20	1.989e+001	3.289e-001	3.287e-001	-2.448e-004
21	2.090e+001	2.932e-001	2.927e-001	-4.323e-004
22	2.192e+001	2.597e-001	2.593e-001	-4.340e-004
23	2.293e+001	2.287e-001	2.283e-001	-4.632e-004
24	2.394e+001	1.995e-001	1.999e-001	4.202e-004
25	2.495e+001	1.729e-001	1.740e-001	1.066e-003
26	2.596e+001	1.485e-001	1.506e-001	2.078e-003
27	2.697e+001	1.290e-001	1.296e-001	6.126e-004
28	2.798e+001	1.101e-001	1.109e-001	7.854e-004
29	2.900e+001	9.356e-002	9.433e-002	7.717e-004
30	3.001e+001	7.835e-002	7.980e-002	1.454e-003
31	3.102e+001	6.643e-002	6.712e-002	6.924e-004
32	3.203e+001	5.505e-002	5.613e-002	1.074e-003



## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-F)<sub>4</sub>]{(DAB-G0-(PPh<sub>2</sub>)<sub>4</sub>)} (11)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD}-\text{LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.129 ppm

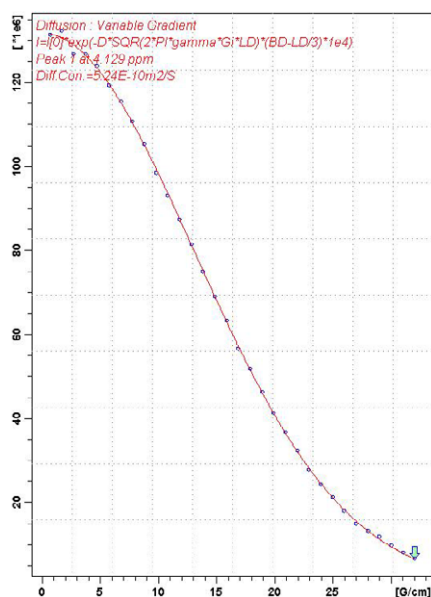
Converged after 38 iterations!

Results Comp. 1

I[0] = 9.951e-001  
 Diff Con. = 5.240e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 6.685e-004

SD = 4.571e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	9.920e-001	9.938e-001	1.746e-003
2	1.686e+000	1.000e+000	9.868e-001	-1.320e-002
3	2.697e+000	9.571e-001	9.740e-001	1.691e-002
4	3.709e+000	9.579e-001	9.555e-001	-2.376e-003
5	4.720e+000	9.367e-001	9.318e-001	-4.827e-003
6	5.732e+000	9.015e-001	9.032e-001	1.730e-003
7	6.743e+000	8.719e-001	8.702e-001	-1.604e-003
8	7.755e+000	8.368e-001	8.334e-001	-3.400e-003
9	8.766e+000	7.954e-001	7.934e-001	-2.058e-003
10	9.778e+000	7.443e-001	7.506e-001	6.391e-003
11	1.079e+001	7.025e-001	7.060e-001	3.490e-003
12	1.180e+001	6.595e-001	6.600e-001	5.216e-004
13	1.281e+001	6.148e-001	6.133e-001	-1.522e-003
14	1.382e+001	5.654e-001	5.665e-001	1.074e-003
15	1.484e+001	5.205e-001	5.201e-001	-4.382e-004
16	1.585e+001	4.771e-001	4.746e-001	-2.511e-003
17	1.686e+001	4.273e-001	4.305e-001	3.149e-003
18	1.787e+001	3.899e-001	3.881e-001	-1.735e-003
19	1.888e+001	3.484e-001	3.478e-001	-5.406e-004
20	1.989e+001	3.116e-001	3.099e-001	-1.691e-003
21	2.090e+001	2.764e-001	2.743e-001	-2.010e-003
22	2.192e+001	2.433e-001	2.415e-001	-1.852e-003
23	2.293e+001	2.079e-001	2.112e-001	3.302e-003
24	2.394e+001	1.829e-001	1.837e-001	7.872e-004
25	2.495e+001	1.595e-001	1.588e-001	-7.629e-004
26	2.596e+001	1.341e-001	1.364e-001	2.263e-003
27	2.697e+001	1.114e-001	1.165e-001	5.084e-003
28	2.798e+001	9.894e-002	9.887e-002	-7.460e-005
29	2.900e+001	8.776e-002	8.341e-002	-4.346e-003
30	3.001e+001	7.232e-002	6.996e-002	-2.363e-003
31	3.102e+001	5.879e-002	5.832e-002	-4.730e-004
32	3.203e+001	4.878e-002	4.832e-002	-4.625e-004

## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-OMe)<sub>4</sub>]{(DAB-G0-(PPh<sub>2</sub>)<sub>4</sub>)} (12)

INTENSITY fit : Diffusion : Variable Gradient :

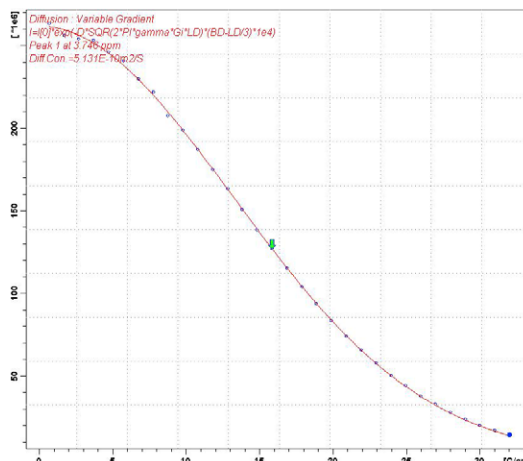
$$I=I[0]*\exp(-D*SQR(2*PI*\gamma*Gi*LD)*(BD-LD/3)*1e4)$$

32 points for Peak 1, Peak Point = 3.746 ppm

Converged after 41 iterations!

Results Comp. 1

I[0] = 9.934e-001  
 Diff Con. = 5.131e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m



RSS = 5.673e-004

SD = 4.210e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	9.921e-001	-7.900e-003
2	1.686e+000	9.726e-001	9.853e-001	1.265e-002
3	2.697e+000	9.643e-001	9.728e-001	8.473e-003
4	3.709e+000	9.604e-001	9.547e-001	-5.641e-003
5	4.720e+000	9.336e-001	9.315e-001	-2.071e-003
6	5.732e+000	9.130e-001	9.035e-001	-9.516e-003
7	6.743e+000	8.724e-001	8.712e-001	-1.238e-003
8	7.755e+000	8.414e-001	8.350e-001	-6.377e-003
9	8.766e+000	7.869e-001	7.957e-001	8.806e-003
10	9.778e+000	7.545e-001	7.538e-001	-7.024e-004
11	1.079e+001	7.093e-001	7.098e-001	5.387e-004
12	1.180e+001	6.631e-001	6.645e-001	1.382e-003
13	1.281e+001	6.186e-001	6.184e-001	-1.975e-004
14	1.382e+001	5.711e-001	5.722e-001	1.078e-003
15	1.484e+001	5.249e-001	5.262e-001	1.309e-003
16	1.585e+001	4.808e-001	4.811e-001	3.038e-004
17	1.686e+001	4.366e-001	4.373e-001	6.675e-004
18	1.787e+001	3.933e-001	3.951e-001	1.832e-003
19	1.888e+001	3.551e-001	3.549e-001	-2.073e-004
20	1.989e+001	3.164e-001	3.169e-001	4.624e-004
21	2.090e+001	2.801e-001	2.813e-001	1.197e-003
22	2.192e+001	2.480e-001	2.482e-001	2.651e-004
23	2.293e+001	2.188e-001	2.178e-001	-1.004e-003
24	2.394e+001	1.896e-001	1.899e-001	3.081e-004
25	2.495e+001	1.661e-001	1.646e-001	-1.422e-003
26	2.596e+001	1.417e-001	1.419e-001	1.649e-004
27	2.697e+001	1.230e-001	1.216e-001	-1.422e-003
28	2.798e+001	1.052e-001	1.035e-001	-1.636e-003
29	2.900e+001	8.846e-002	8.766e-002	-8.001e-004
30	3.001e+001	7.492e-002	7.379e-002	-1.125e-003
31	3.102e+001	6.348e-002	6.175e-002	-1.726e-003
32	3.203e+001	5.297e-002	5.136e-002	-1.614e-003

## Compound [Au<sub>4</sub>(S-C<sub>6</sub>H<sub>4</sub>-Me)<sub>4</sub>]{(DAB-G0-(PPh<sub>2</sub>)<sub>4</sub>)} (13)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD}-\text{LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.131 ppm

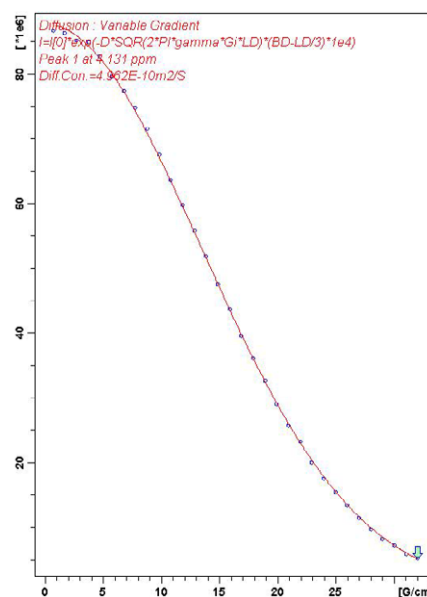
Converged after 35 iterations!

Results Comp. 1

I[0] = 1.011e+000  
 Diff Con. = 4.962e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 5.783e-004

SD = 4.251e-003



Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	1.010e+000	9.875e-003
2	1.686e+000	9.949e-001	1.003e+000	8.252e-003
3	2.697e+000	9.827e-001	9.908e-001	8.139e-003
4	3.709e+000	9.787e-001	9.731e-001	-5.625e-003
5	4.720e+000	9.533e-001	9.502e-001	-3.159e-003
6	5.732e+000	9.177e-001	9.225e-001	4.845e-003
7	6.743e+000	8.924e-001	8.906e-001	-1.789e-003
8	7.755e+000	8.618e-001	8.549e-001	-6.915e-003
9	8.766e+000	8.244e-001	8.159e-001	-8.493e-003
10	9.778e+000	7.786e-001	7.743e-001	-4.341e-003
11	1.079e+001	7.335e-001	7.306e-001	-2.896e-003
12	1.180e+001	6.888e-001	6.854e-001	-3.410e-003
13	1.281e+001	6.429e-001	6.394e-001	-3.459e-003
14	1.382e+001	5.968e-001	5.931e-001	-3.706e-003
15	1.484e+001	5.469e-001	5.470e-001	4.435e-005
16	1.585e+001	5.019e-001	5.016e-001	-2.941e-004
17	1.686e+001	4.556e-001	4.573e-001	1.744e-003
18	1.787e+001	4.152e-001	4.146e-001	-6.343e-004
19	1.888e+001	3.753e-001	3.737e-001	-1.628e-003
20	1.989e+001	3.335e-001	3.350e-001	1.516e-003
21	2.090e+001	2.953e-001	2.985e-001	3.161e-003
22	2.192e+001	2.658e-001	2.645e-001	-1.292e-003
23	2.293e+001	2.286e-001	2.330e-001	4.471e-003
24	2.394e+001	2.007e-001	2.042e-001	3.442e-003
25	2.495e+001	1.760e-001	1.778e-001	1.827e-003
26	2.596e+001	1.528e-001	1.540e-001	1.175e-003
27	2.697e+001	1.301e-001	1.326e-001	2.513e-003
28	2.798e+001	1.105e-001	1.136e-001	3.047e-003
29	2.900e+001	9.319e-002	9.667e-002	3.488e-003
30	3.001e+001	8.209e-002	8.184e-002	-2.448e-004
31	3.102e+001	6.602e-002	6.889e-002	2.872e-003
32	3.203e+001	5.861e-002	5.765e-002	-9.566e-004

## Compound $[\text{Au}_4(\text{S-C}_6\text{H}_4\text{-NO}_2)_4\{(\text{DAB-G0-(PPh}_2)_4\}]$ (14)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(BD\text{-LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.041 ppm

Converged after 37 iterations!

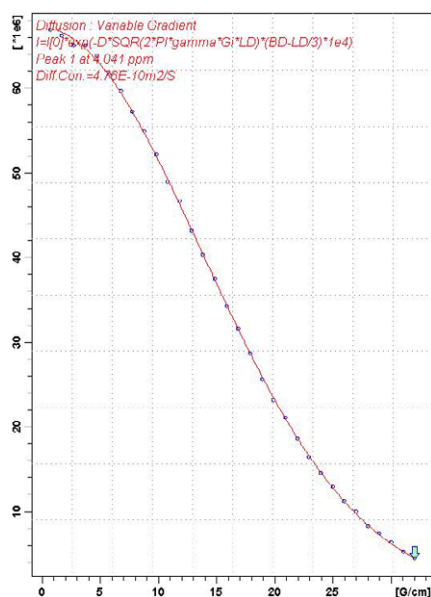
Results Comp. 1

$I[0]$  = 1.004e+000  
 Diff Con. = 4.760e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 4.953e-004

SD = 3.934e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	1.003e+000	3.069e-003
2	1.686e+000	9.897e-001	9.967e-001	6.925e-003
3	2.697e+000	9.730e-001	9.849e-001	1.195e-002
4	3.709e+000	9.731e-001	9.680e-001	-5.172e-003
5	4.720e+000	9.553e-001	9.461e-001	-9.191e-003
6	5.732e+000	9.225e-001	9.197e-001	-2.860e-003
7	6.743e+000	8.918e-001	8.891e-001	-2.628e-003
8	7.755e+000	8.553e-001	8.549e-001	-4.771e-004
9	8.766e+000	8.211e-001	8.175e-001	-3.678e-003
10	9.778e+000	7.798e-001	7.774e-001	-2.433e-003
11	1.079e+001	7.321e-001	7.353e-001	3.197e-003
12	1.180e+001	6.972e-001	6.916e-001	-5.603e-003
13	1.281e+001	6.441e-001	6.470e-001	2.909e-003
14	1.382e+001	6.025e-001	6.020e-001	-5.138e-004
15	1.484e+001	5.588e-001	5.570e-001	-1.864e-003
16	1.585e+001	5.114e-001	5.126e-001	1.184e-003
17	1.686e+001	4.706e-001	4.691e-001	-1.463e-003
18	1.787e+001	4.263e-001	4.270e-001	6.612e-004
19	1.888e+001	3.821e-001	3.865e-001	4.426e-003
20	1.989e+001	3.438e-001	3.480e-001	4.215e-003
21	2.090e+001	3.136e-001	3.115e-001	-2.039e-003
22	2.192e+001	2.763e-001	2.774e-001	1.126e-003
23	2.293e+001	2.434e-001	2.457e-001	2.320e-003
24	2.394e+001	2.145e-001	2.164e-001	1.861e-003
25	2.495e+001	1.901e-001	1.895e-001	-5.988e-004
26	2.596e+001	1.654e-001	1.651e-001	-2.997e-004
27	2.697e+001	1.462e-001	1.431e-001	-3.110e-003
28	2.798e+001	1.204e-001	1.233e-001	2.895e-003
29	2.900e+001	1.088e-001	1.056e-001	-3.187e-003
30	3.001e+001	9.319e-002	9.003e-002	-3.154e-003
31	3.102e+001	7.526e-002	7.632e-002	1.056e-003
32	3.203e+001	6.429e-002	6.433e-002	3.447e-005



## Compound $[\text{Au}_8(\text{S-C}_6\text{H}_4\text{-F})_8\{(\text{DAB-G1-(PPh}_2)_8\}]$ (15)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD-LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.145 ppm

Converged after 39 iterations!

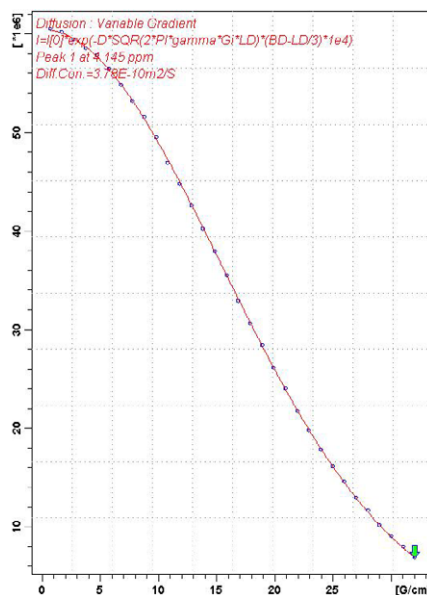
Results Comp. 1

$I[0]$  = 9.992e-001  
 Diff Con. = 3.780e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 1.182e-004

SD = 1.922e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	9.982e-001	-1.811e-003
2	1.686e+000	9.951e-001	9.931e-001	-1.926e-003
3	2.697e+000	9.826e-001	9.838e-001	1.180e-003
4	3.709e+000	9.682e-001	9.703e-001	2.094e-003
5	4.720e+000	9.551e-001	9.529e-001	-2.232e-003
6	5.732e+000	9.323e-001	9.317e-001	-5.879e-004
7	6.743e+000	9.060e-001	9.071e-001	1.045e-003
8	7.755e+000	8.785e-001	8.792e-001	7.136e-004
9	8.766e+000	8.520e-001	8.485e-001	-3.526e-003
10	9.778e+000	8.186e-001	8.153e-001	-3.302e-003
11	1.079e+001	7.749e-001	7.800e-001	5.151e-003
12	1.180e+001	7.406e-001	7.430e-001	2.375e-003
13	1.281e+001	7.033e-001	7.047e-001	1.366e-003
14	1.382e+001	6.639e-001	6.655e-001	1.541e-003
15	1.484e+001	6.267e-001	6.257e-001	-1.007e-003
16	1.585e+001	5.870e-001	5.857e-001	-1.223e-003
17	1.686e+001	5.433e-001	5.459e-001	2.620e-003
18	1.787e+001	5.049e-001	5.066e-001	1.782e-003
19	1.888e+001	4.689e-001	4.681e-001	-7.468e-004
20	1.989e+001	4.308e-001	4.307e-001	-1.394e-004
21	2.090e+001	3.968e-001	3.945e-001	-2.382e-003
22	2.192e+001	3.585e-001	3.598e-001	1.305e-003
23	2.293e+001	3.256e-001	3.267e-001	1.028e-003
24	2.394e+001	2.935e-001	2.953e-001	1.829e-003
25	2.495e+001	2.659e-001	2.658e-001	-2.638e-005
26	2.596e+001	2.403e-001	2.383e-001	-1.981e-003
27	2.697e+001	2.130e-001	2.126e-001	-3.350e-004
28	2.798e+001	1.915e-001	1.889e-001	-2.532e-003
29	2.900e+001	1.678e-001	1.671e-001	-6.422e-004
30	3.001e+001	1.476e-001	1.472e-001	-3.956e-004
31	3.102e+001	1.304e-001	1.291e-001	-1.344e-003
32	3.203e+001	1.137e-001	1.127e-001	-9.919e-004



## Compound $[\text{Au}_8(\text{S-C}_6\text{H}_4\text{-OMe})_8\{\text{DAB-G1-(PPh}_2)_8\}]$ (16)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD-LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.184 ppm

Converged after 45 iterations!

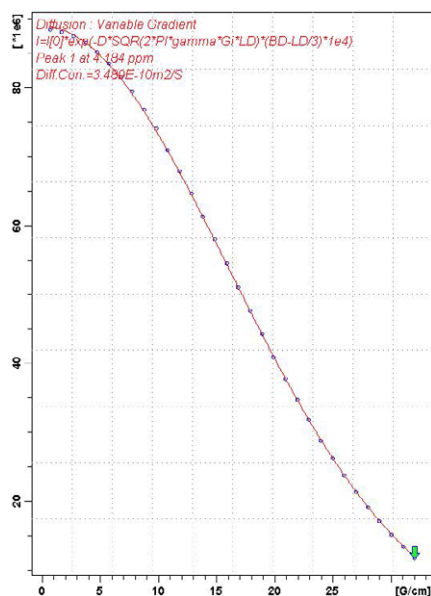
Results Comp. 1

$I[0]$  = 1.006e+000  
 Diff Con. = 3.489e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 1.310e-004

SD = 2.023e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	1.000e+000	1.006e+000	5.562e-003
2	1.686e+000	9.958e-001	1.001e+000	5.040e-003
3	2.697e+000	9.899e-001	9.922e-001	2.267e-003
4	3.709e+000	9.786e-001	9.796e-001	1.070e-003
5	4.720e+000	9.625e-001	9.634e-001	8.791e-004
6	5.732e+000	9.444e-001	9.436e-001	-7.685e-004
7	6.743e+000	9.221e-001	9.205e-001	-1.625e-003
8	7.755e+000	8.978e-001	8.944e-001	-3.474e-003
9	8.766e+000	8.685e-001	8.655e-001	-2.952e-003
10	9.778e+000	8.372e-001	8.342e-001	-2.963e-003
11	1.079e+001	8.017e-001	8.008e-001	-8.840e-004
12	1.180e+001	7.674e-001	7.657e-001	-1.715e-003
13	1.281e+001	7.312e-001	7.292e-001	-2.051e-003
14	1.382e+001	6.932e-001	6.916e-001	-1.549e-003
15	1.484e+001	6.554e-001	6.534e-001	-2.006e-003
16	1.585e+001	6.162e-001	6.148e-001	-1.461e-003
17	1.686e+001	5.763e-001	5.761e-001	-2.103e-004
18	1.787e+001	5.389e-001	5.377e-001	-1.207e-003
19	1.888e+001	5.001e-001	4.998e-001	-2.071e-004
20	1.989e+001	4.621e-001	4.628e-001	6.809e-004
21	2.090e+001	4.261e-001	4.268e-001	6.923e-004
22	2.192e+001	3.918e-001	3.920e-001	2.460e-004
23	2.293e+001	3.585e-001	3.586e-001	1.357e-004
24	2.394e+001	3.251e-001	3.267e-001	1.641e-003
25	2.495e+001	2.956e-001	2.965e-001	9.446e-004
26	2.596e+001	2.674e-001	2.680e-001	6.112e-004
27	2.697e+001	2.404e-001	2.412e-001	8.307e-004
28	2.798e+001	2.154e-001	2.163e-001	9.497e-004
29	2.900e+001	1.923e-001	1.932e-001	8.655e-004
30	3.001e+001	1.702e-001	1.718e-001	1.627e-003
31	3.102e+001	1.503e-001	1.522e-001	1.907e-003
32	3.203e+001	1.325e-001	1.343e-001	1.782e-003



## Compound $[\text{Au}_8(\text{S-C}_6\text{H}_4\text{-Me})_8\{(\text{DAB-G1-(PPh}_2)_8\}]$ (17)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD-LD}/3)*1e4)$$

64 points for Peak 1, Peak Point = 4.166 ppm

Converged after 47 iterations!

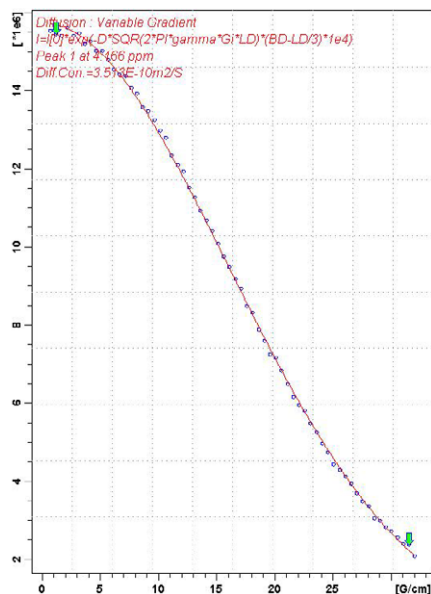
Results Comp. 1

$I[0]$  = 1.008e+000  
 Diff Con. = 3.513e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 2.193e-003

SD = 5.854e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	9.947e-001	1.007e+000	1.273e-002
2	1.172e+000	9.896e-001	1.006e+000	1.605e-002
3	1.670e+000	9.867e-001	1.003e+000	1.614e-002
4	2.167e+000	1.000e+000	9.990e-001	-9.664e-004
5	2.665e+000	9.874e-001	9.943e-001	6.859e-003
6	3.163e+000	9.910e-001	9.886e-001	-2.442e-003
7	3.661e+000	9.744e-001	9.820e-001	7.601e-003
8	4.158e+000	9.771e-001	9.745e-001	-2.617e-003
9	4.656e+000	9.619e-001	9.661e-001	4.163e-003
10	5.154e+000	9.618e-001	9.568e-001	-5.010e-003
11	5.651e+000	9.472e-001	9.467e-001	-5.839e-004
12	6.149e+000	9.319e-001	9.357e-001	3.824e-003
13	6.647e+000	9.241e-001	9.240e-001	-1.231e-004
14	7.145e+000	9.205e-001	9.116e-001	-8.914e-003
15	7.642e+000	9.011e-001	8.984e-001	-2.742e-003
16	8.140e+000	8.923e-001	8.846e-001	-7.765e-003
17	8.638e+000	8.697e-001	8.701e-001	4.043e-004
18	9.135e+000	8.623e-001	8.550e-001	-7.309e-003
19	9.633e+000	8.481e-001	8.394e-001	-8.768e-003
20	1.013e+001	8.309e-001	8.232e-001	-7.717e-003
21	1.063e+001	8.195e-001	8.066e-001	-1.296e-002
22	1.113e+001	7.908e-001	7.895e-001	-1.341e-003
23	1.162e+001	7.747e-001	7.720e-001	-2.699e-003
24	1.212e+001	7.634e-001	7.541e-001	-9.276e-003
25	1.262e+001	7.381e-001	7.360e-001	-2.032e-003
26	1.312e+001	7.213e-001	7.176e-001	-3.669e-003
27	1.361e+001	6.989e-001	6.990e-001	1.212e-004
28	1.411e+001	6.834e-001	6.802e-001	-3.243e-003
29	1.461e+001	6.666e-001	6.612e-001	-5.375e-003
30	1.511e+001	6.455e-001	6.422e-001	-3.312e-003
31	1.561e+001	6.238e-001	6.230e-001	-7.152e-004
32	1.610e+001	6.073e-001	6.039e-001	-3.367e-003
33	1.660e+001	5.872e-001	5.848e-001	-2.442e-003
34	1.710e+001	5.711e-001	5.657e-001	-5.362e-003
35	1.760e+001	5.422e-001	5.468e-001	4.523e-003
36	1.809e+001	5.321e-001	5.279e-001	-4.269e-003
37	1.859e+001	5.045e-001	5.092e-001	4.652e-003



38	1.909e+001	4.860e-001	4.906e-001	4.563e-003
39	1.959e+001	4.627e-001	4.723e-001	9.570e-003
40	2.008e+001	4.579e-001	4.542e-001	-3.694e-003
41	2.058e+001	4.372e-001	4.364e-001	-7.731e-004
42	2.108e+001	4.145e-001	4.189e-001	4.358e-003
43	2.158e+001	3.930e-001	4.017e-001	8.644e-003
44	2.208e+001	3.804e-001	3.848e-001	4.371e-003
45	2.257e+001	3.711e-001	3.683e-001	-2.832e-003
46	2.307e+001	3.495e-001	3.521e-001	2.568e-003
47	2.357e+001	3.350e-001	3.363e-001	1.283e-003
48	2.407e+001	3.171e-001	3.209e-001	3.732e-003
49	2.456e+001	3.021e-001	3.059e-001	3.849e-003
50	2.506e+001	2.821e-001	2.913e-001	9.173e-003
51	2.556e+001	2.737e-001	2.772e-001	3.457e-003
52	2.606e+001	2.619e-001	2.635e-001	1.505e-003
53	2.656e+001	2.502e-001	2.502e-001	-7.545e-005
54	2.705e+001	2.350e-001	2.373e-001	2.315e-003
55	2.755e+001	2.218e-001	2.249e-001	3.119e-003
56	2.805e+001	2.136e-001	2.129e-001	-6.447e-004
57	2.855e+001	1.938e-001	2.014e-001	7.547e-003
58	2.904e+001	1.905e-001	1.903e-001	-2.618e-004
59	2.954e+001	1.797e-001	1.796e-001	-1.728e-005
60	3.004e+001	1.730e-001	1.694e-001	-3.637e-003
61	3.054e+001	1.629e-001	1.596e-001	-3.280e-003
62	3.103e+001	1.517e-001	1.502e-001	-1.486e-003
63	3.153e+001	1.502e-001	1.413e-001	-8.958e-003
64	3.203e+001	1.324e-001	1.327e-001	2.742e-004



## Compound $[\text{Au}_8(\text{S-C}_6\text{H}_4\text{-NO}_2)_8\{(\text{DAB-G1-(PPh}_2)_8\}]$ (18)

INTENSITY fit : Diffusion : Variable Gradient :

$$I=I[0]*\exp(-D*\text{SQR}(2*\text{PI}*\text{gamma}*\text{Gi}*\text{LD})*(\text{BD-LD}/3)*1e4)$$

32 points for Peak 1, Peak Point = 4.151 ppm

Converged after 45 iterations!

Results Comp. 1

$I[0]$  = 1.015e+000  
 Diff Con. = 3.382e-010 m<sup>2</sup>/s  
 Gamma = 4.258e+003 Hz/G  
 Little Delta = 2.000m  
 Big Delta = 197.230m

RSS = 1.226e-003

SD = 6.190e-003

Point	Gradient	Expt	Calc	Difference
1	6.740e-001	9.966e-001	1.014e+000	1.766e-002
2	1.686e+000	1.000e+000	1.010e+000	9.682e-003
3	2.697e+000	9.859e-001	1.001e+000	1.531e-002
4	3.709e+000	9.857e-001	9.889e-001	3.269e-003
5	4.720e+000	9.750e-001	9.730e-001	-1.972e-003
6	5.732e+000	9.557e-001	9.536e-001	-2.084e-003
7	6.743e+000	9.355e-001	9.310e-001	-4.512e-003
8	7.755e+000	9.128e-001	9.054e-001	-7.418e-003
9	8.766e+000	8.848e-001	8.771e-001	-7.724e-003
10	9.778e+000	8.542e-001	8.463e-001	-7.918e-003
11	1.079e+001	8.222e-001	8.135e-001	-8.722e-003
12	1.180e+001	7.869e-001	7.788e-001	-8.107e-003
13	1.281e+001	7.511e-001	7.428e-001	-8.235e-003
14	1.382e+001	7.114e-001	7.057e-001	-5.667e-003
15	1.484e+001	6.726e-001	6.678e-001	-4.750e-003
16	1.585e+001	6.317e-001	6.296e-001	-2.125e-003
17	1.686e+001	5.921e-001	5.911e-001	-9.295e-004
18	1.787e+001	5.511e-001	5.529e-001	1.803e-003
19	1.888e+001	5.137e-001	5.151e-001	1.406e-003
20	1.989e+001	4.775e-001	4.781e-001	5.805e-004
21	2.090e+001	4.392e-001	4.420e-001	2.807e-003
22	2.192e+001	4.058e-001	4.070e-001	1.298e-003
23	2.293e+001	3.707e-001	3.734e-001	2.671e-003
24	2.394e+001	3.375e-001	3.412e-001	3.669e-003
25	2.495e+001	3.085e-001	3.105e-001	2.040e-003
26	2.596e+001	2.785e-001	2.816e-001	3.049e-003
27	2.697e+001	2.529e-001	2.543e-001	1.400e-003
28	2.798e+001	2.235e-001	2.288e-001	5.301e-003
29	2.900e+001	2.021e-001	2.050e-001	2.878e-003
30	3.001e+001	1.813e-001	1.830e-001	1.721e-003
31	3.102e+001	1.603e-001	1.627e-001	2.400e-003
32	3.203e+001	1.423e-001	1.441e-001	1.855e-003

