Table ( ): DSP analysis of 1H-chemical shift data with dual parameter equations ( ) and( ) for BA series

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Protons | Scale | ρI | ρR | R | SE | F | Logδo | n | λ=ρR/ρI |
|
| 1 | H5 | σI ,σR | 0.001±0.003 | 0.005±0.003 | 0.711 | 0.002 | 2.05 | 0.92±0.001 | 7 | 5.0 |
|  |  | σI ,σRo | 0.001±0.001 | 0.006±0.001 | 0.923 | 0.001 | 8.50 | 0.92±0.0006 | 6 | 6.0 |
|  |  | σI ,σR+ | -0.001±0.004 | 0.002±0.002 | 0.384 | 0.002 | 0.35 | 0.92±0.002 | 7 | 2.0 |
|  |  | σI ,σR- | -0.0003±0.002 | 0.05±0.001 | 0.905 | 0.001 | 6.85 | 0.92±0.001 | 6 | 50.0 |
|  |  | F,R | 0.0006±0.03 | 0.005±0.0002 | 0.783 | 0.002 | 3.17 | 0.92±0.001 | 7 | 8.33 |
|  |  |  |  |  |  |  |  |  |  |  |
| 2 | H8 | σI ,σR | 0.005±0.003 | 0.008±0.003 | 0.880 | 0.002 | 6.88 | 1.05±0.001 | 7 | 1.6 |
|  |  | σI ,σRo | 0.005±0.002 | 0.003±0.002 | 0.838 | 0.001 | 3.54 | 1.05±0.001 | 6 | 0.6 |
|  |  | σI ,σR+ | 0.003±0.005 | 0.002±0.002 | 0.609 | 0.003 | 1.18 | 1.05±0.003 | 7 | 0.66 |
|  |  | σI ,σR- | 0.004±0.002 | 0.003±0.002 | 0.883 | 0.001 | 5.31 | 1.05±0.008 | 6 | 0.75 |
|  |  | F,R | 0.004±0.002 | 0.008±0.001 | 0.966 | 0.001 | 27.96 | 1.05±0.001 | 7 | 2.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| 3 | H10 | σI ,σR | 0.005±0.003 | 0.01±0.003 | 0.912 | 0.002 | 9.89 | 1.06±0.001 | 7 | 2.0 |
|  |  | σI ,σRo | 0.006±0.003 | 0.005±0.003 | 0.829 | 0.002 | 3.29 | 1.06±0.001 | 6 | 0.83 |
|  |  | σI ,σR+ | 0.003±0.006 | 0.003±0.003 | 0.622 | 0.003 | 1.27 | 1.06±0.003 | 7 | 1.0 |
|  |  | σI ,σR- | 0.005±0.002 | 0.005±0.002 | 0.886 | 0.001 | 5.47 | 1.06±0.001 | 6 | 1.0 |
|  |  | F,R | 0.005±0.001 | 0.01±0.001 | 0.984 | 0.001 | 63.96 | 1.06±0.001 | 7 | 2.0 |
|  |  |  |  |  |  |  |  |  |  |  |
| 4 | H22’ | σI ,σR | 0.05±0.02 | 0.08±0.02 | 0.950 | 0.01 | 18.69 | 0.87±0.01 | 7 | 1.6 |
|  |  | σI ,σRo | 0.06±0.02 | 0.04±0.02 | 0.851 | 0.02 | 3.93 | 0.87±0.01 | 6 | 0.66 |
|  |  | σI ,σR+ | 0.03±0.04 | 0.02±0.02 | 0.684 | 0.02 | 1.76 | 0.87±0.02 | 7 | 0.66 |
|  |  | σI ,σR- | 0.04±0.01 | 0.05±0.01 | 0.951 | 0.01 | 14.96 | 0.87±0.006 | 6 | 1.25 |
|  |  | F,R | 0.05±0.006 | 0.07±0.005 | 0.992 | 0.04 | 132.74 | 0.87±0.003 | 7 | 1.4 |
|  |  |  |  |  |  |  |  |  |  |  |