Table ( ): Results of statistical treatment of 1H – Chemical shift with σp, σpo, σp+, σp+/ σp,σp+/ σp-,σp+/ σp/ σp-substituent constants using single parameter equation for BA series

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Protons | Scale | ρ | r | s | F | log δo | n |
| 1 | H5 | σP | 0.003±0.002 | 0.658 | 0.002 | 3.81 | 0.92±0.006 | 7 |
|  | σPO | 0.003±0.002 | 0.550 | 0.002 | 1.74 | 0.92±0.008 | 6 |
|  | σP+ | 0.002±0.001 | 0.679 | 0.002 | 4.27 | 0.92±0.001 | 7 |
|  | σP+/ σP | 0.002±0.001 | 0.535 | 0.002 | 2.01 | 0.92±0.001 | 7 |
|  | σP+/ σP- | 0.002±0.001 | 0.746 | 0.001 | 6.29 | 0.92±0.001 | 7 |
|  | σP+/ σP/ σP- | 0.002±0.001 | 0.650 | 0.002 | 3.66 | 0.92±0.001 | 7 |
|  |  |  |  |  |  |  |  |  |
| 2 | H8 | σP | 0.0007±0.001 | 0.940 | 0.001 | 38.04 | 1.05±0.0004 | 7 |
|  | σPO | 0.005±0.001 | 0.934 | 0.001 | 27.35 | 1.05±0.0004 | 6 |
|  | σP+ | 0.004±0.0005 | 0.975 | 0.001 | 99.39 | 1.05±0.0002 | 7 |
|  | σP+/ σP | 0.005±0.001 | 0.877 | 0.001 | 16.67 | 1.05±0.005 | 7 |
|  | σP+/ σP- | 0.003±0.001 | 0.942 | 0.001 | 39.58 | 1.05±0.0003 | 7 |
|  | σP+/ σP/ σP- | 0.004±0.001 | 0.856 | 0.001 | 13.72 | 1.05±0.001 | 7 |
|  |  |  |  |  |  |  |  |  |
| 3 | H10 | σP | 0.008±0.001 | 0.948 | 0.001 | 44.25 | 1.06±0.0004 | 7 |
|  | σPO | 0.006±0.001 | 0.917 | 0.001 | 21.26 | 1.06±0.0005 | 6 |
|  | σP+ | 0.005±0.0003 | 0.999 | 0.0005 | 245.58 | 1.06±0.0002 | 7 |
|  | σP+/ σP | 0.006±0.001 | 0.903 | 0.002 | 22.20 | 1.06±0.0006 | 7 |
|  | σP+/ σP- | 0.004±0.0005 | 0.962 | 0.001 | 62.96 | 1.06±0.0004 | 7 |
|  | σP+/ σP/ σP- | 0.004±0.001 | 0.887 | 0.002 | 18.44 | 1.06±0.0006 | 7 |
|  |  |  |  |  |  |  |  |  |
| 4 | H22’ | σO | 0.06±0.02 | 0.838 | 0.02 | 11.81 | 0.81±0.006 | 7 |
|  | σO\* | 0.05±0.007 | 0.966 | 0.007 | 56.20 | 0.86±0.003 | 6 |
|  | Es | -0.04±0.012 | 0.831 | 0.016 | 11.16 | 0.87±0.006 | 7 |