Results of multiple regression analysis of 13C chemical shifts with σp,( σp+- σp)  and σpo,

(σp+- σpo) constants using Yukava – Tsuno equation (4).

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No. | Carbon | scale | ρ | r | R | SE | F | n |
| 1 | C4 | σp,( σp+- σp) | 0.028±0.006 | 0.032±0.009 | 0.986 | 0.003 | 72.76 | 7 |
|  |  | σpo,( σp+- σpo) | 0.027±0.009 | 0.02±0.009 | 0.954 | 0.006 | 15.15 | 6 |
| 2 | C5 | σp,( σp+- σp) | -0.013±0.001 | 0.004±0.02 | 0.994 | 0.001 | 167.30 | 7 |
|  |  | σpo,( σp+- σpo) | -0.01±0.001 | -0.0001±0.001 | 0.988 | 0.001 | 61.27 | 6 |
| 3 | C6 | σp,( σp+- σp) | 0.016±0.002 | 0.02±0.003 | 0.996 | 0.001 | 274.61 | 7 |
|  |  | σpo,( σp+- σpo) | 0.01±0.003 | 0.012±0.003 | 0.989 | 0.002 | 65.94 | 6 |
| 4 | C7 | σp,( σp+- σp) | -0.007±0.002 | -0.006±0.003 | 0.866 | 0.001 | 6.01 | 7 |
|  |  | σpo,( σp+- σpo) | -0.001±0.001 | -0.005±0.001 | 0.937 | 0.001 | 10.76 | 6 |
| 5 | C11 | σp,( σp+- σp) | -0.003±0.0002 | -0.002±0.0003 | 0.998 | 0.0001 | 518.04 | 7 |
|  |  | σpo,( σp+- σpo) | -0.002±0.0002 | -0.001±0.0002 | 0.994 | 0.0001 | 133.10 | 6 |