**SUPPLEMENTARY DATA**

**Table SI** Ferric reducing antioxidant power (FRAP) assay

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Conc.**  **(µg/mL)** | **OD at 700 nm (Mean±SEM)** | | | | | | |
| **Ascorbic**  **acid** | **AAEAL** | **AAEALPE** | **AAEALCH** | **AAEALEA** | **AAEALNB** | **AAEAL remaining fraction** |
| **10** | 0.070±0.010 | 0.060±0.020 | 0.011±0.002 | 0.022±0.010 | 0.066±0.010 | 0.047±0.010 | 0.038±0.004 |
| **25** | 0.170±0.020 | 0.090±0.002 | 0.022±0.004 | 0.047±0.010 | 0.116±0.010 | 0.106±0.004 | 0.087±0.004 |
| **50** | 0.310±0.050 | 0.160±0.010 | 0.055±0.010 | 0.100±0.002 | 0.212±0.002 | 0.191±0.002 | 0.141±0.003 |
| **75** | 0.460±0.050 | 0.190±0.005 | 0.106±0.010 | 0.142±0.004 | 0.391±0.010 | 0.215±0.010 | 0.190±0.010 |
| **100** | 0.590±0.060 | 0.220±0.002 | 0.116±0.010 | 0.164±0.010 | 0.492±0.010 | 0.406±0.010 | 0.305±0.010 |
| **EC50** | 84.86±7.22 | 193.06±9.51\* | 367.02±21.15\* | 259.67±13.35\* | 90.80±4.70\* | 104.80±5.29\* | 139.17±6.99\* |

Assays were done in triplicate and data are expressed as Mean±SEM. Level of confidence was considered at 95% (*pα=0.05*) (ANOVA) for the determination of differences between the groups.



**Fig. S1** DPPH free radical scavenging potential of ascorbic acid, AAEAL, and different fractions of AAEAL at varying concentrations (0-100 µg/mL). Assays were done in triplicate and data are expressed as Mean±SEM. Level of confidence was considered at 95% (*pα=0.05*) (ANOVA) for the determination of differences between each group (considering 20 µg/mL of each fraction) followed by Post Hoc Tukey test [\**p<0.05*].