|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **GEF** | | | | | | |
|  | **Flavor** | **Mean (SD)** | **95% CI of diff.** | **F-ratio** | **(DFn, DFd)** | **p-value** |
| **Cmax**  **(ng/mL)** | Water  Berry  Peach  Lime  Pineapple | 406.47 (29.52)  322.39\*(52.55)  365.43 (44.21)  642.58\*(33.20)  445.13(22.58) | -   |  | | --- | | 10.45 to 137.7 | | -22.59 to 104.7 | | -299.7 to -172.5 | | -102.3 to 24.97 | | 51.49 | (4, 20) | < 0.0001 |
| **tmax**  **(h)** | Water  Berry  Peach  Lime  Pineapple | 2.00 (0.25)  2.33 (0.11)  2.00 (0.55)  3.00\* (0.89)  1.71 (0.58) | -   |  | | --- | | -1.282 to 0.6224 | | -0.9524 to 0.9524 | | -1.952 to -0.04755 | | -0.6624 to 1.242 | | 4.045 | (4, 20) | 0.0144 |
| **t½**  **(h)** | Water  Berry  Peach  Lime  Pineapple | 17.95 (6.55)  17.73 (5.52)  15.39 (7.01)  16.94 (4.44)  17.79 (8.22) | -   |  | | --- | | -11.02 to 11.46 | | -8.683 to 13.80 | | -10.23 to 12.25 | | -11.08 to 11.40 | | 0.1345 | (4, 20) | 0.9676 |
| **AUC0-48 (ng.h/mL)** | Water  Berry  Peach  Lime  Pineapple | 4307.15 (255.25)  4459.01 (158.98) 4738.25 (562.25)  13059.21\* (1022.22)  7136.22\* (862.23) | -   |  | | --- | | -1302 to 998.1 | | -1581 to 718.9 | | -9902 to -7602 | | -3979 to -1679 | | 157.2 | (4, 20) | < 0.0001 |
| **AUC0-∞ (ng.h/mL)** | Water  Berry  Peach  Lime  Pineapple | 5063.05 (225.25)  5232.05 (589.36)  5298.52 (452.22)  15386.16\* (1025.22)  8168.18\* (485.22) | -   |  | | --- | | -1236 to 897.9 | | -1302 to 831.4 | | -11390 to -9256 | | -4172 to -2038 | | 258.1 | (4, 20) | < 0.0001 |
| **CL/F**  **(L/h)** | Water  Berry  Peach  Lime  Pineapple | 4.64 (0.98)  4.48 (0.88)  4.22 (0.95)  1.53\* (0.28)  2.80\* (0.88) | -   |  | | --- | | -1.290 to 1.610 | | -1.030 to 1.870 | | 1.660 to 4.560 | | 0.3899 to 3.290 | | 12.79 | (4, 20) | < 0.0001 |

\*Indicates significant difference as compared with the corresponding control (water group). (p ≤ 0.05)

Standard deviation (SD), 95% confidence interval for the difference between the two means (95% CI of diff.), degree of freedom from between the columns (DFn), and degrees of freedom from within the columns (DFd)

**Table S.3** Main pharmacokinetic parameters of GEF following four weeks administration of different types of FW in rats in comparison to control (*n* = 5).