**Supplement Table 1 13C caffeine pharmacokinetic parameters**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **MZ** | | **DZ** | |
|  | Nonsmoking  N = 44 | Smoking  N = 14 | Nonsmoking  N = 9 | Smoking  N= 7 |
|  | Geometric mean (geometric coefficient of variation %)  *Min - Max* | | | |
| AUC300 [mg \* min / l] | 266.5 (25.5%)  153.8 - 402.1 | 199.2 (27.4%)  114.8 - 290.3 | 270.0 (30.0%)  182.4 - 422.5 | 256.7 (27.1%)  175.9 - 354.7 |
| Cmax [mg / l] | 1.25 (23.8%)  0.68 - 2.00 | 1.05 (18.9%)  0.69 - 1.29 | 1.16 (34.1%)  0.76 - 2.14 | 1.29 (20.8%)  1.06 - 1.87 |
| Ratio AUC300  13C caffeine/ paraxanthine | 4.54 (49.3%)  *1.74 - 11.29* | 2.66 (32.0%)  *1.50 - 5.03* | 5.71 (60.7%)  *2.77 - 15.49* | 4.58 (82.4%)  *1.72 -10.86* |

MZ = monozygotic twin pairs, DZ = dizygotic twin pairs, AUC = area under the curve, Cmax = maximal plasma concentration