**Table S1.** Precision and accuracy of the three analytes in rat plasma.

|  |  |  |  |
| --- | --- | --- | --- |
| Compounds | Nominal Conc. (ng/mL) | Intra-day (n=6) | Inter-day (n=18, 3 days) |
| Measured Conc. (ng/mL) | RSD (%) | RE (%) | Measured Conc. (ng/mL) | RSD (%) | RE (%) |
| Quercetin (Qr) | 65.6 | 60.9±8.9 | 14.6  | -7.2  | 62.3±7.7 | 12.4 | -5.1 |
| 525.0 | 558.7±48.4 | 8.7  | 6.4  | 539.4±48.2 | 8.9 | 2.7 |
| 8400.0 | 8568.7±623.4 | 7.3  | 2.0  | 8651.0±483.9 | 5.6 | 3.0 |
| Isoquercitrin (IQ) | 48.8 | 42.1±3.6 | 8.6  | -13.8  | 44.6±4.6 | 10.2 | -8.6 |
| 244.0 | 254.8±29.3 | 11.5  | 4.4  | 258.3±32.4 | 12.6 | 5.9 |
| 976.0 | 955.6±114.3 | 12.0  | -2.1  | 950.8±100.1 | 10.5 | -2.6 |
| Quercetin-3-O-*β*-D-glucuronide (QG) | 100.0 | 103.1±10.1 | 9.8  | 3.1  | 92.8±9.0 | 9.7 | -7.2 |
| 1000.0 | 1017.8±114.9 | 11.3  | 1.8  | 955.0±88.6 | 9.3 | -4.5 |
| 10000.0 | 10211.2±1348.9 | 13.2  | 2.1  | 9740.3±1125.1 | 11.6 | -2.6 |