**Supplementary Table 1.** Pharmacokinetic parameters overall and by gestational age.

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| --- | --- | --- | --- | --- | --- | --- |
|  | Gestational age (weeks) | | | | | |
|  | **Overall**  **(n=4089)** | **≤25**  **(n=685)** | **26-28**  **(n=1003)** | **29-32**  **(n=1149)** | **33-36**  **(n=759)** | **≥37**  **(n=493)** |
| Daily dose\* | 15 (12-16) | 15 (10-16) | 15 (12-17) | 15 (12-16) | 15 (12-16) | 15 (15-20) |
| AUC24\* | 96 (80-115) | 110 (92-134) | 103 (85-122) | 96 (79-109) | 87 (71-99) | 84 (74-104) |
| Maximum Cmax\* | 8.3 (7.1-10.0) | 8.9 (7.6-10.7) | 8.4 (7.3-10.3) | 8.0 (7.1-9.8) | 8.0 (6.7-9.4) | 7.9 (6.8-9.5) |
| AUCcum\* | 681 (400-1008) | 821 (533-1240) | 745 (444-1115) | 668 (391-976) | 606 (350-874) | 536 (309-844) |
| Vd\* | 1.5 (1.0-2.0) | 0.8 (0.6-1.1) | 1.1 (0.9-1.4) | 1.4 (1.2-1.7) | 2.0 (1.7-2.4) | 2.8 (2.4-3.2) |
| CL\* | 0.25 (0.16-0.37) | 0.10 (0.75-1.18) | 0.16 (0.12-0.23) | 0.24 (0.20-0.29) | 0.36 (0.31-0.45) | 0.56 (0.49-0.65) |
| \*Median (25th-75th percentile).  AUC24: mean area under the plasma concentration time curve over the 24 hour dosing period (mcg\*h/mL); Cmax: maximum concentration (mcg/mL); AUCcum: cumulative AUC (mcg\*h/mL); Vd: volume of distribution (L); CL: clearance (L/h). | | | | | | |