

Individual Noncompartmental Analysis Result

GROUP=G10

NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.4.0 (2024-04-24 ucrt)

Date and Time: 2024-09-25 18:16:36.581624 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 3
Dose at time 0: 2.4 mg
AUC Calculation Method: Linear-up Linear-down
Weighting for lambda z: Uniform (Ordinary Least Square, OLS)
Lambda z selection criterion: Highest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

| Time | Conc. | Pred. | Residual | AUC | AUMC |
|-------------|----------|----------|------------|-------------|---------------|
| 0.0000 + | 584.9965 | | | 0.0000 | 0.0000 |
| 336.0000 * | 167.1808 | 179.3961 | -1.222e+01 | 126365.7816 | 9437021.8588 |
| 672.0000 * | 47.7771 | 41.4922 | +6.285e+00 | 162478.7048 | 24267884.3762 |
| 1008.0000 * | 8.9432 | 9.5966 | -6.534e-01 | 172007.7099 | 31176201.1979 |

+: Back extrapolated concentration
*: Used for the calculation of Lambda z.

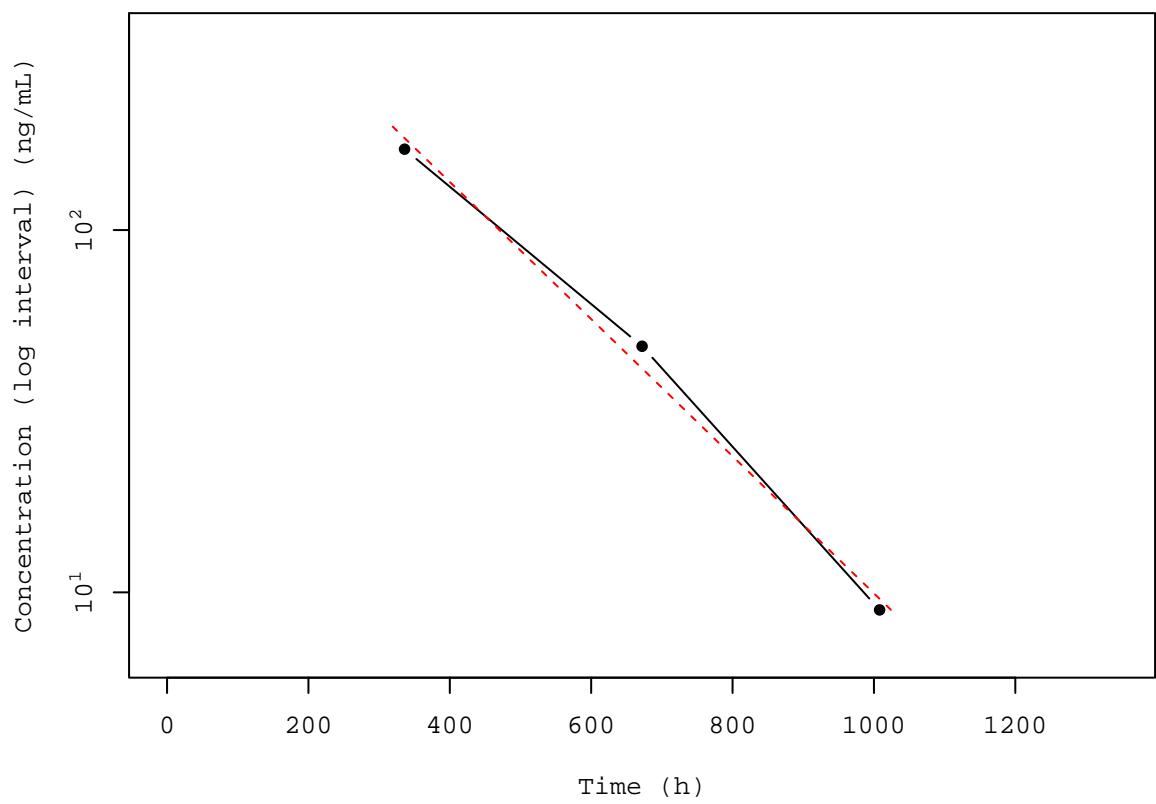
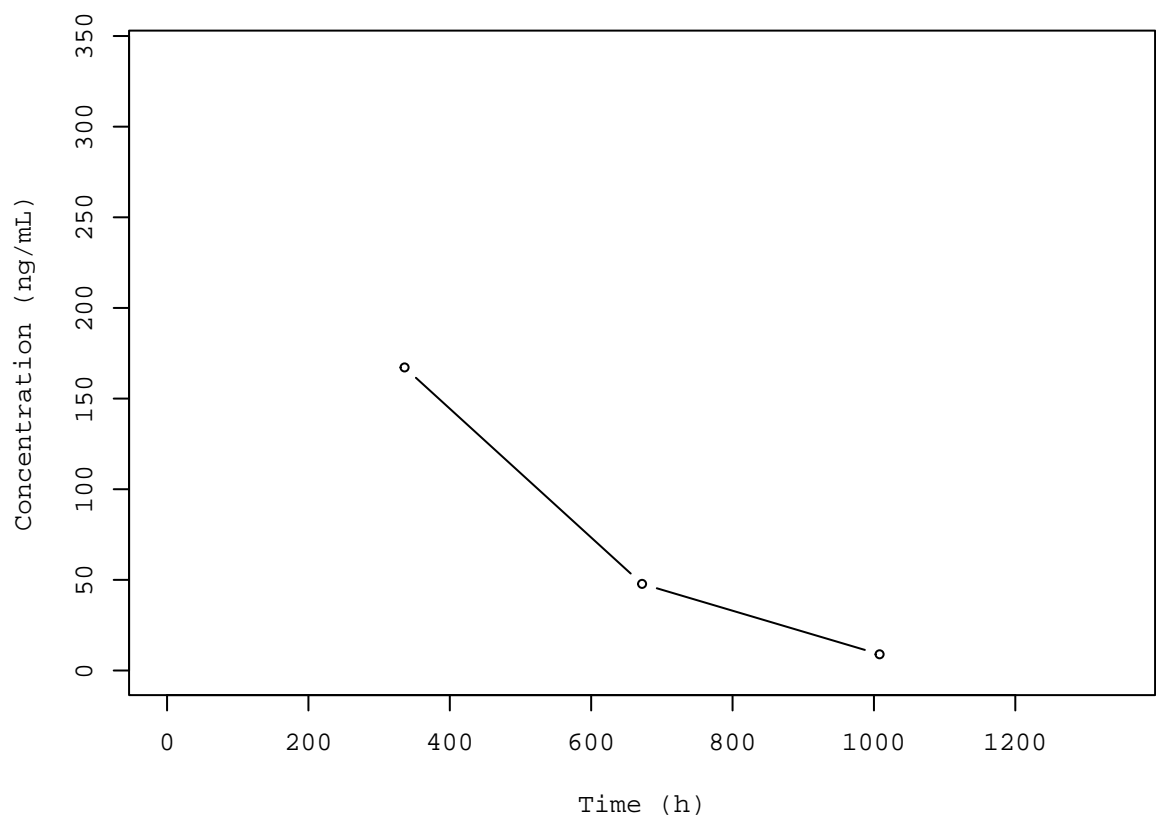
Calculated Values

| | | |
|---------|---|-----------------------|
| CMAX | Max Conc | 167.1808 ug/L |
| CMAXD | Max Conc Norm by Dose | 69.6587 ug/L/mg |
| TMAX | Time of CMAX | 336.0000 h |
| CLST | Last Nonzero Conc | 8.9432 ug/L |
| CLSTP | Last Nonzero Conc Pred | 9.5966 ug/L |
| TLST | Time of Last Nonzero Conc | 1008.0000 h |
| LAMZHL | Half-Life Lambda z | 159.0730 h |
| LAMZ | Lambda z | 0.0044 /h |
| LAMZLL | Lambda z Lower Limit | 336.0000 h |
| LAMZUL | Lambda z Upper Limit | 1008.0000 h |
| LAMZNPT | Number of Points for Lambda z | 3 |
| CORRXY | Correlation Between TimeX and Log ConcY | -0.9965 |
| R2 | R Squared | 0.9931 |
| R2ADJ | R Squared Adjusted | 0.9862 |
| AUCLST | AUC to Last Nonzero Conc | 172007.7099 h*ug/L |
| AUCALL | AUC All | 172007.7099 h*ug/L |
| AUCIFO | AUC Infinity Obs | 174060.1178 h*ug/L |
| AUCIFOD | AUC Infinity Obs Norm by Dose | 72525.0491 h*ug/L/mg |
| AUCIFP | AUC Infinity Pred | 174210.0803 h*ug/L |
| AUCIFPD | AUC Infinity Pred Norm by Dose | 72587.5334 h*ug/L/mg |
| AUCPEO | AUC %Extrapolation Obs | 1.1791 % |
| AUCPEP | AUC %Extrapolation Pred | 1.2642 % |
| AUMCLST | AUMC to Last Nonzero Conc | 31176201.1979 h2*ug/L |

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|----------|------------------------------------|---------------|---------|
| AUMCIFO | AUMC Infinity Obs | 33716043.2809 | h2*ug/L |
| AUMCIFP | AUMC Infinity Pred | 33901620.9289 | h2*ug/L |
| AUMCPEO | AUMC %Extrapolation Obs | 7.5330 | % |
| AUMCPEP | AUMC % Extrapolation Pred | 8.0392 | % |
| C0 | Initial Conc | 584.9965 | ug/L |
| AUCPBEO | AUC %Back Extrapolation Obs | 72.5989 | % |
| AUCPBEP | AUC %Back Extrapolation Pred | 72.5364 | % |
| VZO | Vz Obs | 3.1643 | L |
| VZP | Vz Pred | 3.1616 | L |
| CLO | Total CL Obs | 0.0138 | L/h |
| CLP | Total CL Pred | 0.0138 | L/h |
| MRTIVLST | MRT Intravasc to Last Nonzero Conc | 181.2489 | h |
| MRTIVIFO | MRT Intravasc Infinity Obs | 193.7034 | h |
| MRTIVIFP | MRT Intravasc Infinity Pred | 194.6019 | h |
| VSSO | Vol Dist Steady State Obs | 2.6708 | L |
| VSSP | Vol Dist Steady State Pred | 2.6809 | L |

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NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.4.0 (2024-04-24 ucrt)

Date and Time: 2024-09-25 18:16:36.596911 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 4
Dose at time 0: 2.4 mg
AUC Calculation Method: Linear-up Linear-down
Weighting for lambda z: Uniform (Ordinary Least Square, OLS)
Lambda z selection criterion: Highest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

| Time | Conc. | Pred. | Residual | AUC | AUMC |
|-------------|----------|----------|------------|-------------|---------------|
| ----- | | | | | |
| 0.0000 + | 851.2451 | | | 0.0000 | 0.0000 |
| 336.0000 * | 339.4138 | 371.3957 | -3.198e+01 | 200030.7016 | 19159231.0573 |
| 672.0000 * | 135.3332 | 91.0912 | +4.424e+01 | 279788.2025 | 53597040.6142 |
| 1008.0000 * | 13.2612 | 22.3417 | -9.081e+00 | 304752.0584 | 71121318.0461 |
| 1344.0000 * | 6.7994 | 5.4797 | +1.320e+00 | 308122.2288 | 74902260.8050 |

+: Back extrapolated concentration
*: Used for the calculation of Lambda z.

Calculated Values

| | | |
|---------|---|-----------------------|
| ----- | | |
| CMAX | Max Conc | 339.4138 ug/L |
| CMAXD | Max Conc Norm by Dose | 141.4224 ug/L/mg |
| TMAX | Time of CMAX | 336.0000 h |
| CLST | Last Nonzero Conc | 6.7994 ug/L |
| CLSTP | Last Nonzero Conc Pred | 5.4797 ug/L |
| TLST | Time of Last Nonzero Conc | 1344.0000 h |
| LAMZHL | Half-Life Lambda z | 165.7153 h |
| LAMZ | Lambda z | 0.0042 /h |
| LAMZLL | Lambda z Lower Limit | 336.0000 h |
| LAMZUL | Lambda z Upper Limit | 1344.0000 h |
| LAMZNPT | Number of Points for Lambda z | 4 |
| CORRXY | Correlation Between TimeX and Log ConcY | -0.9764 |
| R2 | R Squared | 0.9533 |
| R2ADJ | R Squared Adjusted | 0.9300 |
| AUCLST | AUC to Last Nonzero Conc | 308122.2288 h*ug/L |
| AUCALL | AUC All | 308122.2288 h*ug/L |
| AUCIFO | AUC Infinity Obs | 309747.8000 h*ug/L |
| AUCIFOD | AUC Infinity Obs Norm by Dose | 129061.5833 h*ug/L/mg |
| AUCIFP | AUC Infinity Pred | 309432.2930 h*ug/L |
| AUCIFPD | AUC Infinity Pred Norm by Dose | 128930.1221 h*ug/L/mg |
| AUCPEO | AUC %Extrapolation Obs | 0.5248 % |
| AUCPEP | AUC %Extrapolation Pred | 0.4234 % |

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|----------|------------------------------------|-----------------------|
| AUMCLST | AUMC to Last Nonzero Conc | 74902260.8050 h2*ug/L |
| AUMCIFO | AUMC Infinity Obs | 77475664.6099 h2*ug/L |
| AUMCIFP | AUMC Infinity Pred | 76976192.8390 h2*ug/L |
| AUMCPEO | AUMC %Extrapolation Obs | 3.3216 % |
| AUMCPEP | AUMC % Extrapolation Pred | 2.6943 % |
| C0 | Initial Conc | 851.2451 ug/L |
| AUCPBEO | AUC %Back Extrapolation Obs | 64.5786 % |
| AUCPBEP | AUC %Back Extrapolation Pred | 64.6444 % |
| VZO | Vz Obs | 1.8524 L |
| VZP | Vz Pred | 1.8543 L |
| CLO | Total CL Obs | 0.0077 L/h |
| CLP | Total CL Pred | 0.0078 L/h |
| MRTIVLST | MRT Intravasc to Last Nonzero Conc | 243.0927 h |
| MRTIVIFO | MRT Intravasc Infinity Obs | 250.1250 h |
| MRTIVIFP | MRT Intravasc Infinity Pred | 248.7659 h |
| VSSO | Vol Dist Steady State Obs | 1.9380 L |
| VSSP | Vol Dist Steady State Pred | 1.9295 L |

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