

Individual Noncompartmental Analysis Result

NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.3.0 (2023-04-21 ucrt)

Date and Time: 2024-09-19 11:00:00.504264 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 7
Dose at time 0: 50 ug
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 +	3.1936			0.0000	0.0000
2186.2912 *	2.7792	2.6098	+1.694e-01	6529.1546	6642071.2816
5062.2507 *	2.3148	2.3131	+1.622e-03	13854.1601	32229565.1394
6442.4987 *	2.1059	2.1830	-7.713e-02	16904.9457	49679330.3970
9379.5646 *	1.6597	1.9299	-2.702e-01	22434.8383	92464351.8736
11519.8217 *	1.6581	1.7642	-1.060e-01	25985.3499	129564257.7091
13716.5166 *	2.4441	1.6088	+8.353e-01	30490.9980	187365474.9275
15093.6177 *	1.2029	1.5185	-3.156e-01	33002.1576	222950457.5821

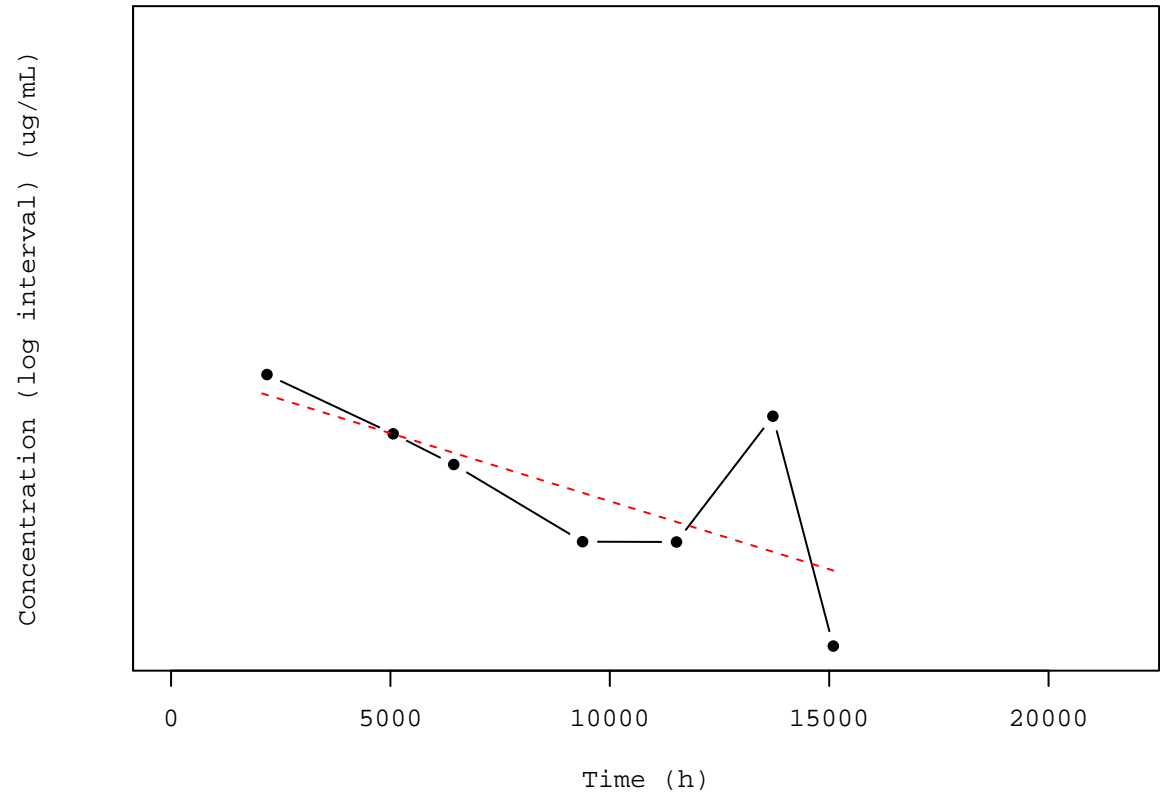
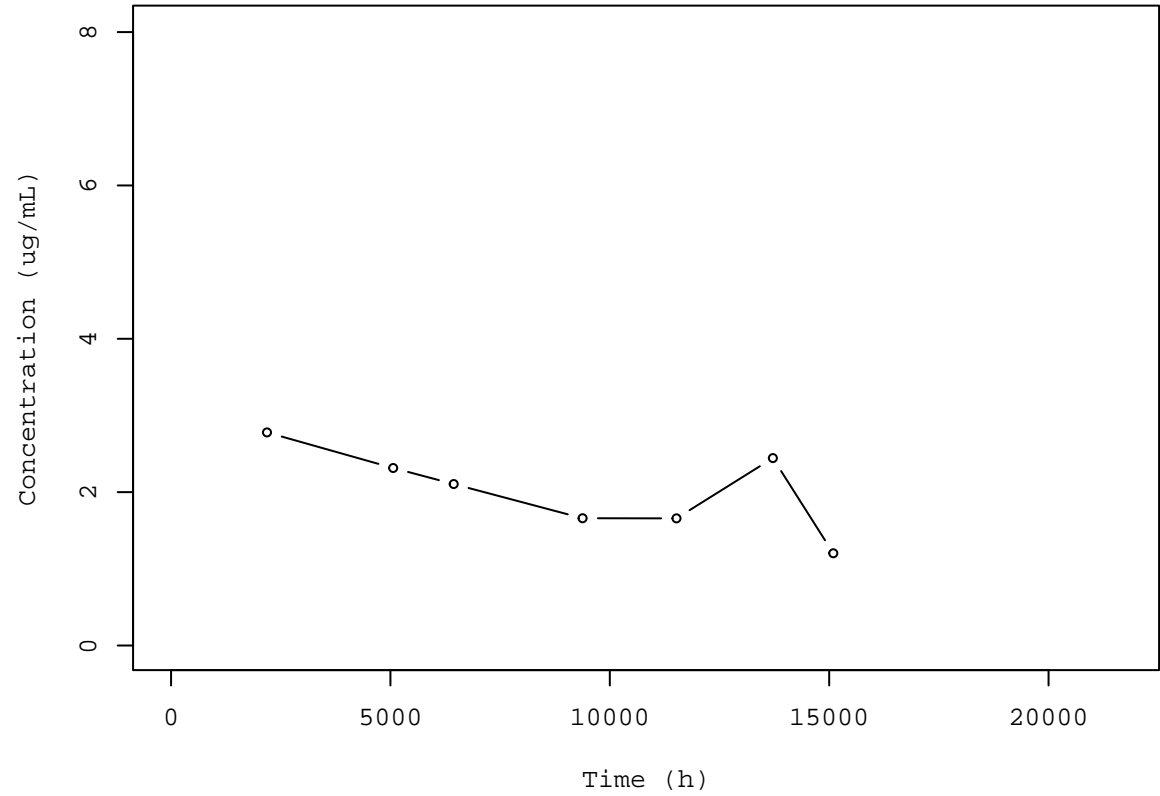
+: Back extrapolated concentration
*: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	2.7792 mg/L
CMAXD	Max Conc Norm by Dose	0.0556 mg/L/ug
TMAX	Time of CMAX	2186.2912 h
CLST	Last Nonzero Conc	1.2029 mg/L
CLSTP	Last Nonzero Conc Pred	1.5185 mg/L
TLST	Time of Last Nonzero Conc	15093.6177 h
LAMZHL	Half-Life Lambda z	16520.5520 h
LAMZ	Lambda z	0.0000 /h
LAMZLL	Lambda z Lower Limit	2186.2912 h
LAMZUL	Lambda z Upper Limit	15093.6177 h
LAMZNPT	Number of Points for Lambda z	7
CORRXY	Correlation Between TimeX and Log ConcY	-0.6895
R2	R Squared	0.4753
R2ADJ	R Squared Adjusted	0.3704
AUCLST	AUC to Last Nonzero Conc	33002.1576 h*mg/L
AUCALL	AUC All	33002.1576 h*mg/L
AUCIFO	AUC Infinity Obs	61672.8501 h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	1233.4570 h*mg/L/ug
AUCIFP	AUC Infinity Pred	69194.4128 h*mg/L

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AUCIFPD	AUC Infinity Pred Norm by Dose	1383.8883 h*mg/L/ug
AUCPEO	AUC %Extrapolation Obs	46.4884 %
AUCPEP	AUC %Extrapolation Pred	52.3052 %
AUMCLST	AUMC to Last Nonzero Conc	222950457.5821 h2*mg/L
AUMCIFO	AUMC Infinity Obs	1339035610.6714 h2*mg/L
AUMCIFP	AUMC Infinity Pred	1631833016.2794 h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	83.3499 %
AUMCPEP	AUMC % Extrapolation Pred	86.3374 %
C0	Initial Conc	3.1936 mg/L
AUCPBEO	AUC %Back Extrapolation Obs	10.5868 %
AUCPBEP	AUC %Back Extrapolation Pred	9.4360 %
VZO	Vz Obs	0.0193 L
VZP	Vz Pred	0.0172 L
CLO	Total CL Obs	0.0000 L/h
CLP	Total CL Pred	0.0000 L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	6755.6328 h
MRTIVIFO	MRT Intravasc Infinity Obs	21711.9139 h
MRTIVIFP	MRT Intravasc Infinity Pred	23583.3061 h
VSSO	Vol Dist Steady State Obs	0.0176 L
VSSP	Vol Dist Steady State Pred	0.0170 L



NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.3.0 (2023-04-21 ucrt)

Date and Time: 2024-09-19 11:00:00.521081 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 7
Dose at time 0: 50 ug
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 +	3.1549			0.0000	0.0000
2131.8826 *	2.8487	2.4741	+3.746e-01	6399.5037	6473557.3017
5097.5801 *	2.4715	2.3817	+8.981e-02	14288.5625	34161001.4251
6498.0250 *	2.1334	2.3393	-2.059e-01	17513.0384	52690110.2748
9416.2010 *	1.9399	2.2533	-3.134e-01	23456.4274	99570400.5001
11527.7406 *	1.7571	2.1931	-4.360e-01	27359.6317	140240831.8860
13703.6023 *	2.5304	2.1327	+3.976e-01	32024.1115	200001652.5117
15118.0964 *	2.3486	2.0944	+2.542e-01	35474.7770	249637750.6169

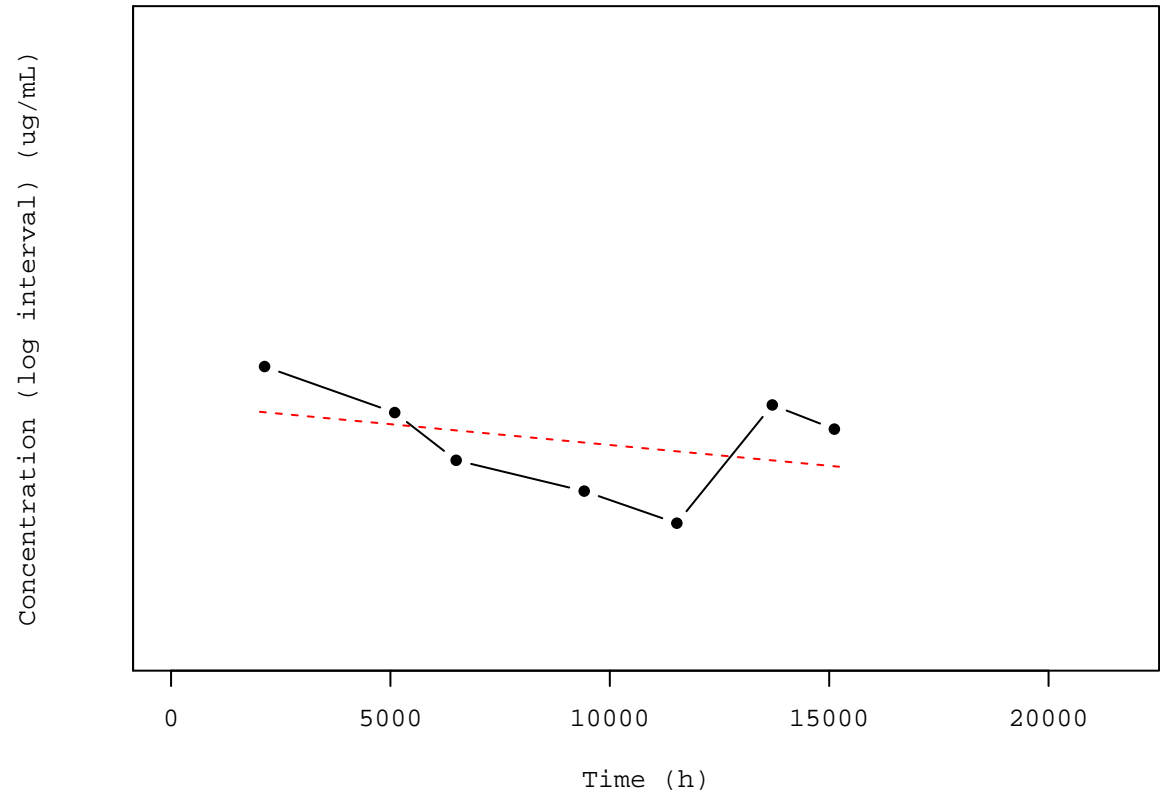
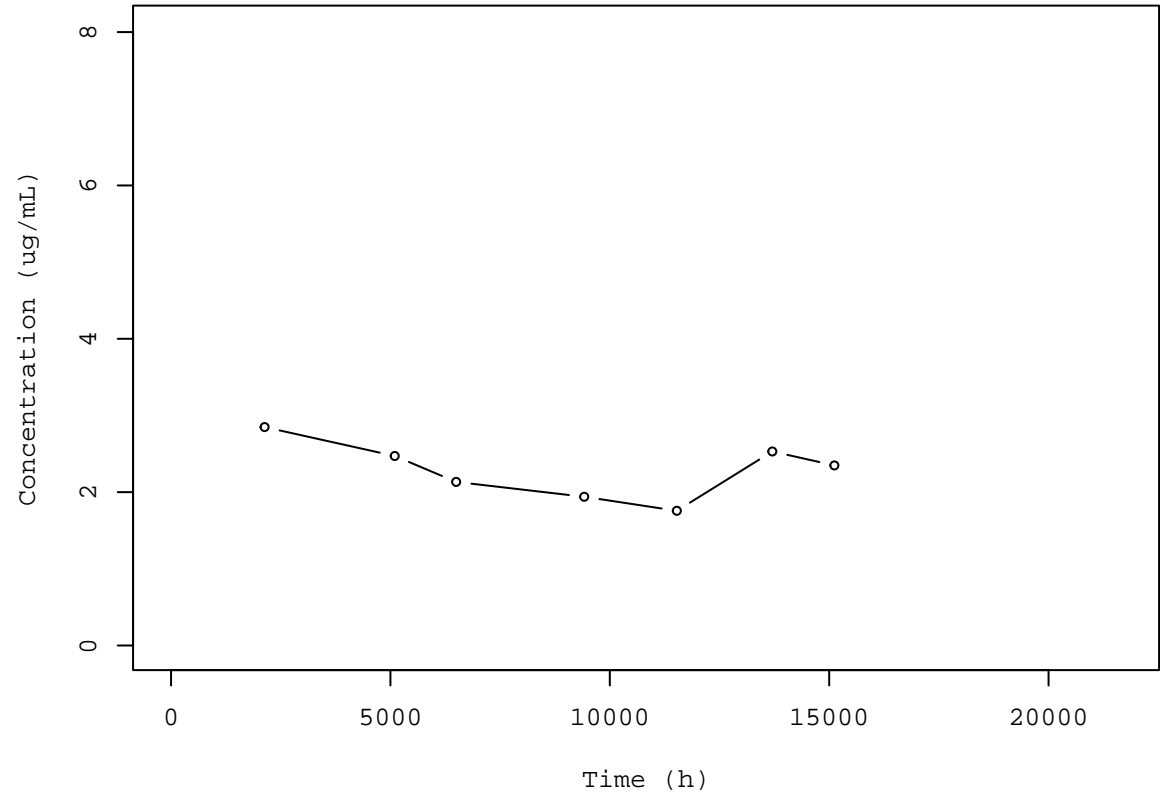
+: Back extrapolated concentration
*: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	2.8487 mg/L
CMAXD	Max Conc Norm by Dose	0.0570 mg/L/ug
TMAX	Time of CMAX	2131.8826 h
CLST	Last Nonzero Conc	2.3486 mg/L
CLSTP	Last Nonzero Conc Pred	2.0944 mg/L
TLST	Time of Last Nonzero Conc	15118.0964 h
LAMZHL	Half-Life Lambda z	54032.0607 h
LAMZ	Lambda z	0.0000 /h
LAMZLL	Lambda z Lower Limit	2131.8826 h
LAMZUL	Lambda z Upper Limit	15118.0964 h
LAMZNPT	Number of Points for Lambda z	7
CORRXY	Correlation Between TimeX and Log ConcY	-0.3657
R2	R Squared	0.1337
R2ADJ	R Squared Adjusted	-0.0395
AUCLST	AUC to Last Nonzero Conc	35474.7770 h*mg/L
AUCALL	AUC All	35474.7770 h*mg/L
AUCIFO	AUC Infinity Obs	218553.8590 h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	4371.0772 h*mg/L/ug
AUCIFP	AUC Infinity Pred	198736.7245 h*mg/L

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AUCIFPD	AUC Infinity Pred Norm by Dose	3974.7345 h*mg/L/ug
AUCPEO	AUC %Extrapolation Obs	83.7684 %
AUCPEP	AUC %Extrapolation Pred	82.1499 %
AUMCLST	AUMC to Last Nonzero Conc	249637750.6169 h2*mg/L
AUMCIFO	AUMC Infinity Obs	17288786388.6297 h2*mg/L
AUMCIFP	AUMC Infinity Pred	15444408012.9475 h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	98.5561 %
AUMCPEP	AUMC % Extrapolation Pred	98.3836 %
C0	Initial Conc	3.1549 mg/L
AUCPBEO	AUC %Back Extrapolation Obs	2.9281 %
AUCPBEP	AUC %Back Extrapolation Pred	3.2201 %
VZO	Vz Obs	0.0178 L
VZP	Vz Pred	0.0196 L
CLO	Total CL Obs	0.0000 L/h
CLP	Total CL Pred	0.0000 L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	7037.0492 h
MRTIVIFO	MRT Intravasc Infinity Obs	79105.3815 h
MRTIVIFP	MRT Intravasc Infinity Pred	77712.9041 h
VSSO	Vol Dist Steady State Obs	0.0181 L
VSSP	Vol Dist Steady State Pred	0.0196 L



NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.3.0 (2023-04-21 ucrt)

Date and Time: 2024-09-19 11:00:00.535823 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 6
Dose at time 0: 50 ug
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

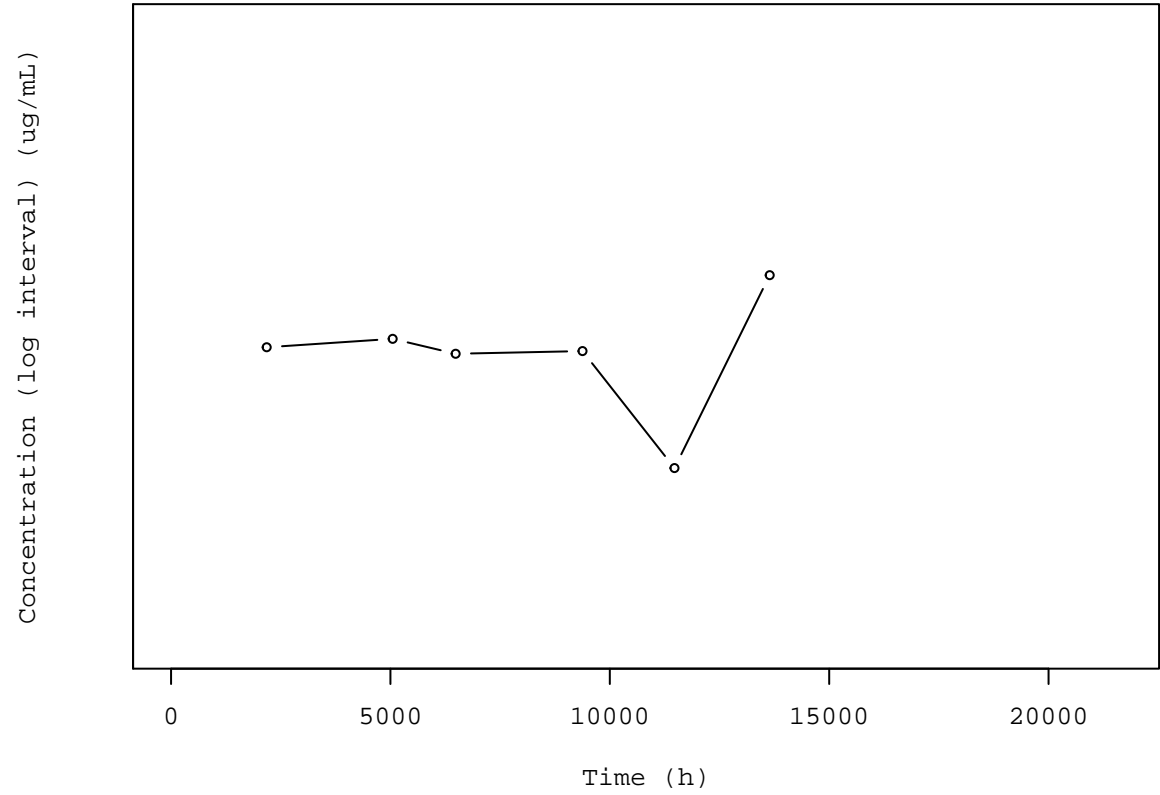
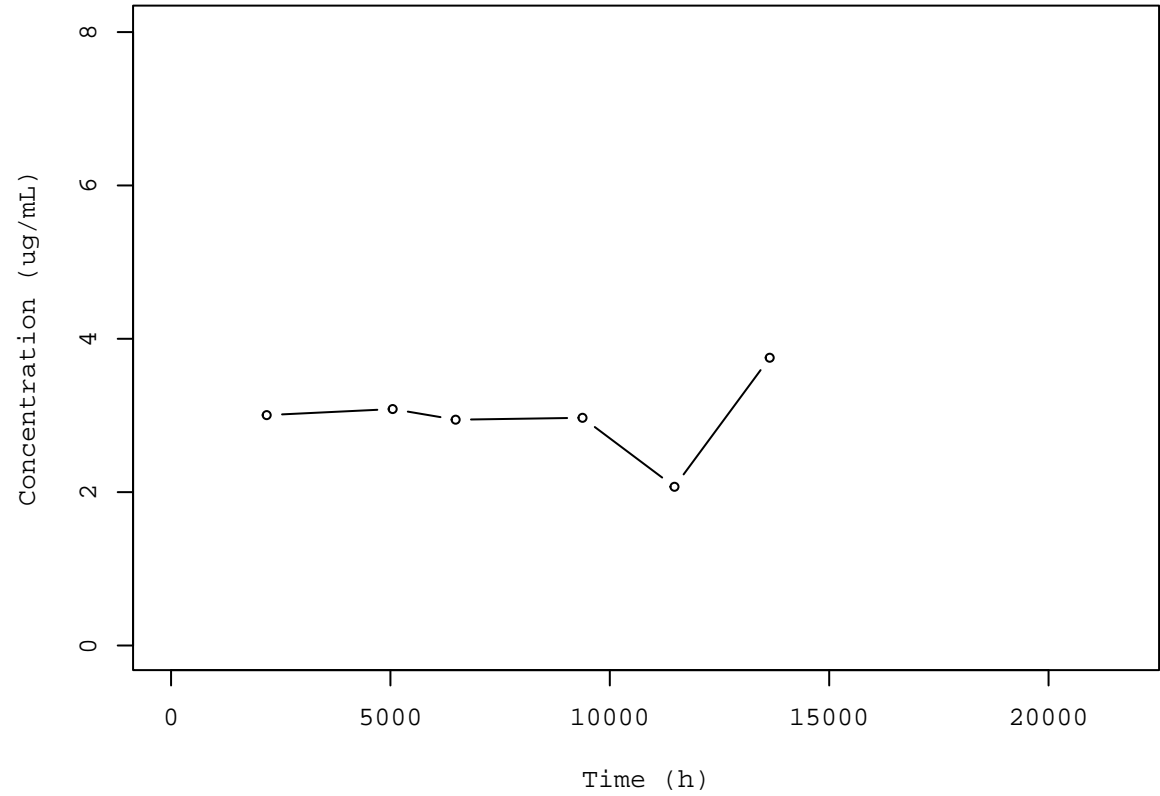
Time	Conc.	Pred.	Residual	AUC	AUMC

0.0000 +	3.0047			0.0000	0.0000
2179.8340	3.0047			6549.7312	7138663.4260
5050.9356	3.0837			15289.9335	38900684.9131
6486.1769	2.9449			19616.1914	63785471.0255
9377.5957	2.9695			28166.6732	131658261.5970
11474.0198	2.0701			33449.1761	185744392.9415
13644.2326	3.7528			39767.6269	267079991.7320

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

Calculated Values

C _{MAX}	Max Conc	3.7528 mg/L
C _{MAXD}	Max Conc Norm by Dose	0.0751 mg/L/ug
T _{MAX}	Time of C _{MAX}	13644.2326 h
CL _{ST}	Last Nonzero Conc	3.7528 mg/L
TL _{ST}	Time of Last Nonzero Conc	13644.2326 h
LAMZNPT	Number of Points for Lambda z	0
AUCL _{ST}	AUC to Last Nonzero Conc	39767.6269 h*mg/L
AUCALL	AUC All	39767.6269 h*mg/L
AUMCL _{ST}	AUMC to Last Nonzero Conc	267079991.7320 h ² *mg/L
C ₀	Initial Conc	3.0047 mg/L
MRTIVL _{ST}	MRT Intravasc to Last Nonzero Conc	6716.0153 h



NONCOMPARTMENTAL ANALYSIS REPORT
Package version 0.5.0 (2023-11-19)
R version 4.3.0 (2023-04-21 ucrt)

Date and Time: 2024-09-19 11:00:00.549004 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 11
Dose at time 0: 50 ug
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 +	6.7517			0.0000	0.0000
679.4194	5.1144			4031.0413	1180428.7972
1361.3151	3.8702			7094.3141	4161459.2275
2005.6715	5.2671			10038.1525	9262389.9249
4323.7195	6.2441			23379.8761	52797261.8568
8648.2473	4.1052			45757.6399	187938900.1975
13995.5239	5.7110			72002.5424	496559798.9910
14090.7733	5.2970			72526.7959	503921030.8075
16122.4712	6.9230			84940.5061	693128229.3054
18423.7014	4.6942			98307.4056	921064995.7671
20223.3202	6.5314			108408.2288	1117735873.2886
21653.2392	8.0243			118814.9580	1336398034.3382

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

Calculated Values

C _{MAX}	Max Conc	8.0243 mg/L
C _{MAXD}	Max Conc Norm by Dose	0.1605 mg/L/ug
T _{MAX}	Time of C _{MAX}	21653.2392 h
CL _{ST}	Last Nonzero Conc	8.0243 mg/L
TL _{ST}	Time of Last Nonzero Conc	21653.2392 h
LAMZNPT	Number of Points for Lambda z	0
AUCL _{ST}	AUC to Last Nonzero Conc	118814.9580 h*mg/L
AUCALL	AUC All	118814.9580 h*mg/L
AUMCL _{ST}	AUMC to Last Nonzero Conc	1336398034.3382 h ² *mg/L
C ₀	Initial Conc	6.7517 mg/L
MRTIVL _{ST}	MRT Intravasc to Last Nonzero Conc	11247.7255 h

