Individual Noncompartmental Analysis Result

Date and Time: 2019-11-07 13:09:49 Asia/Seoul

Calculation Setting

Drug Administration: Constant Infusion

Observation count excluding trailing zero: 11

Dose at time 0: 25 mg Length of Infusion: 0.5

AUC Calculation Method: Linear-up Linear-down

Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

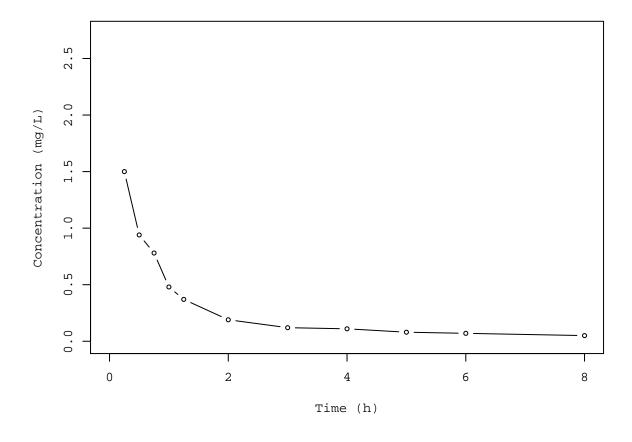
	Time	Conc.	Pred.	Residual	AUC	AUMC
-	0.0000 +	0.0000			0.0000	0.0000
	0.2500	1.5000			0.1875	0.0469
	0.5000	0.9400			0.4925	0.1525
	0.7500	0.7800			0.7075	0.2844
	1.0000	0.4800			0.8650	0.4175
	1.2500	0.3700			0.9713	0.5353
	2.0000	0.1900			1.1813	0.8513
	3.0000	0.1200			1.3363	1.2213
	4.0000	0.1100			1.4513	1.6213
	5.0000 *	0.0800	0.0808 -	7.972e-04	1.5462	2.0413
	6.0000 *	0.0700	0.0690 +	1.033e-03	1.6213	2.4513
	8.0000 *	0.0500	0.0502 -	2.485e-04	1.7413	3.2713

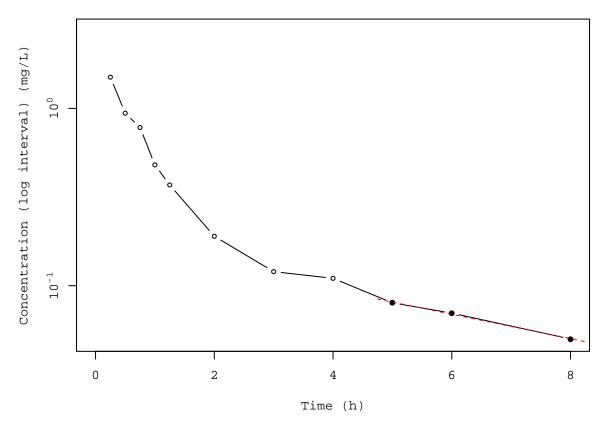
- +: Back extrapolated concentration
- *: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	1.5000	mg/L
CMAXD	Max Conc Norm by Dose	0.0600	${\rm mg/L/mg}$
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0500	mg/L
CLSTP	Last Nonzero Conc Pred	0.0502	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	4.3781	h
LAMZ	Lambda z	0.1583	/h
LAMZLL	Lambda z Lower Limit	5.0000	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	3	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9985	
R2	R Squared	0.9971	

R2ADJ	R Squared Adjusted	0.9941	
AUCLST	AUC to Last Nonzero Conc	1.7413	h*mg/L
AUCALL	AUC All	1.7413	h*mg/L
AUCIFO	AUC Infinity Obs	2.0571	h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.0823	h*mg/L/mg
AUCIFP	AUC Infinity Pred	2.0586	h*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.0823	h*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	15.3527	%
AUCPEP	AUC %Extrapolation Pred	15.4172	%
AUMCLST	AUMC to Last Nonzero Conc	3.2713	h2*mg/L
AUMCIFO	AUMC Infinity Obs	7.7926	h2*mg/L
AUMCIFP	AUMC Infinity Pred	7.8150	h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	58.0208	%
AUMCPEP	AUMC % Extrapolation Pred	58.1415	%
VZO	Vz Obs	76.7635	L
VZP	Vz Pred	76.7050	L
CLO	Total CL Obs	12.1532	L/h
CLP	Total CL Pred	12.1440	L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.6287	h
MRTIVIFO	MRT Intravasc Infinity Obs	3.5382	h
MRTIVIFP	MRT Intravasc Infinity Pred	3.5462	h
VSSO	Vol Dist Steady State Obs	43.0005	L
VSSP	Vol Dist Steady State Pred	43.0652	L





Date and Time: 2019-11-07 13:09:49 Asia/Seoul

Calculation Setting

Drug Administration: Constant Infusion

Observation count excluding trailing zero: 11

Dose at time 0: 25 mg Length of Infusion: 0.5

AUC Calculation Method: Linear-up Linear-down

Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

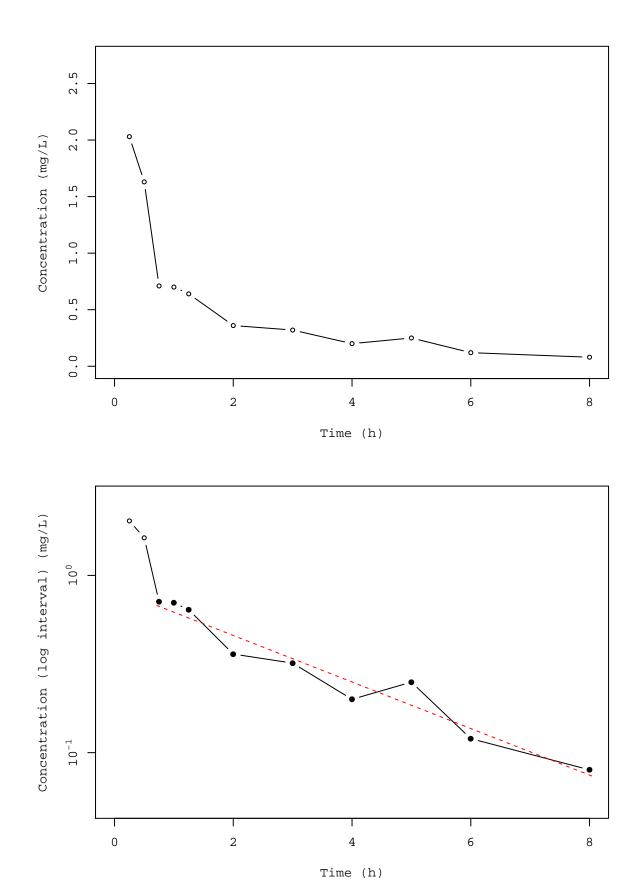
Time		Conc.	Pred.	Residual	AUC	AUMC
0.0000	+	0.0000			0.0000	0.0000
0.2500		2.0300			0.2537	0.0634
0.5000		1.6300			0.7112	0.2287
0.7500	*	0.7100	0.6690	+4.102e-02	1.0038	0.3972
1.0000	*	0.7000	0.6203	+7.971e-02	1.1800	0.5512
1.2500	*	0.6400	0.5751	+6.486e-02	1.3475	0.7387
2.0000	*	0.3600	0.4585	-9.848e-02	1.7225	1.3088
3.0000	*	0.3200	0.3389	-1.887e-02	2.0625	2.1488
4.0000	*	0.2000	0.2505	-5.047e-02	2.3225	3.0288
5.0000	*	0.2500	0.1851	+6.487e-02	2.5475	4.0538
6.0000	*	0.1200	0.1368	-1.684e-02	2.7325	5.0388
8.0000	*	0.0800	0.0748	+5.244e-03	2.9325	6.3988

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

Calculated Values

CMAX	Max Conc	2.0300	mg/L
CMAXD	Max Conc Norm by Dose	0.0812	${\rm mg/L/mg}$
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0800	mg/L
CLSTP	Last Nonzero Conc Pred	0.0748	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	2.2931	h
LAMZ	Lambda z	0.3023	/h
LAMZLL	Lambda z Lower Limit	0.7500	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	9	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9735	
R2	R Squared	0.9477	

R2ADJ	R Squared Adjusted	0.9402	
AUCLST	AUC to Last Nonzero Conc	2.9325	h*mg/L
AUCALL	AUC All	2.9325	h*mg/L
AUCIFO	AUC Infinity Obs	3.1972	h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.1279	h*mg/L/mg
AUCIFP	AUC Infinity Pred	3.1798	h*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.1272	h*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	8.2778	%
AUCPEP	AUC %Extrapolation Pred	7.7774	%
AUMCLST	AUMC to Last Nonzero Conc	6.3988	h2*mg/L
AUMCIFO	AUMC Infinity Obs	9.3915	h2*mg/L
AUMCIFP	AUMC Infinity Pred	9.1953	h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	31.8667	%
AUMCPEP	AUMC % Extrapolation Pred	30.4131	%
VZO	Vz Obs	25.8682	L
VZP	Vz Pred	26.0094	L
CLO	Total CL Obs	7.8195	L/h
CLP	Total CL Pred	7.8621	L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.9320	h
MRTIVIFO	MRT Intravasc Infinity Obs	2.6875	h
MRTIVIFP	MRT Intravasc Infinity Pred	2.6418	h
VSSO	Vol Dist Steady State Obs	21.0145	L
VSSP	Vol Dist Steady State Pred	20.7701	L



Date and Time: 2019-11-07 13:09:49 Asia/Seoul

Calculation Setting

Drug Administration: Constant Infusion

Observation count excluding trailing zero: 11

Dose at time 0: 25 mg Length of Infusion: 0.5

AUC Calculation Method: Linear-up Linear-down

Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=le-4

Fitting, AUC, AUMC Result

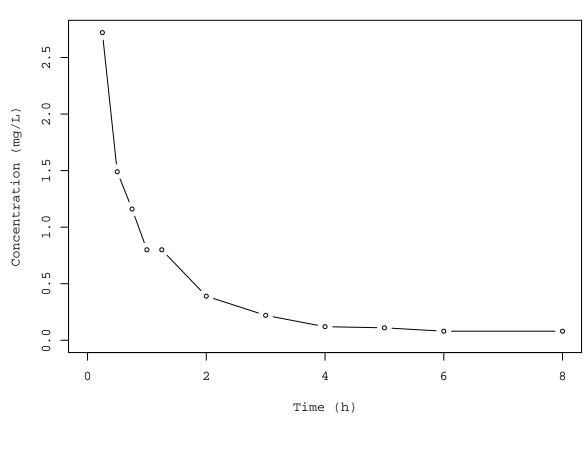
Time		Conc.	Pred.	Residual	AUC	AUMC
0.0000	+	0.0000			0.0000	0.0000
0.2500		2.7200			0.3400	0.0850
0.5000	*	1.4900	0.9461	+5.439e-01	0.8663	0.2631
0.7500	*	1.1600	0.8514	+3.086e-01	1.1975	0.4650
1.0000	*	0.8000	0.7662	+3.380e-02	1.4425	0.6738
1.2500	*	0.8000	0.6895	+1.105e-01	1.6425	0.8988
2.0000	*	0.3900	0.5025	-1.125e-01	2.0888	1.5663
3.0000	*	0.2200	0.3295	-1.095e-01	2.3938	2.2863
4.0000	*	0.1200	0.2161	-9.610e-02	2.5637	2.8563
5.0000	*	0.1100	0.1417	-3.172e-02	2.6788	3.3713
6.0000	*	0.0800	0.0929	-1.294e-02	2.7738	3.8863
8.0000	*	0.0800	0.0400	+4.003e-02	2.9338	5.0063

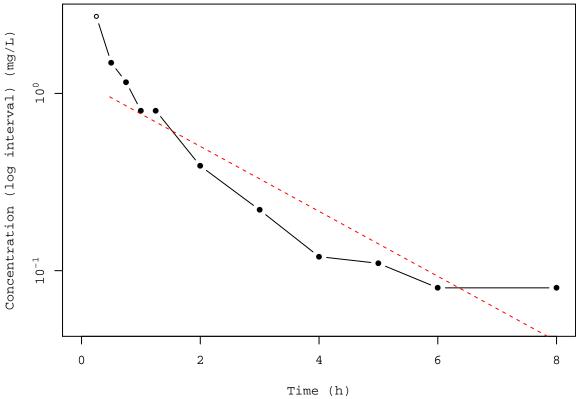
- +: Back extrapolated concentration
- *: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	2.7200	mg/L
CMAXD	Max Conc Norm by Dose	0.1088	mg/L/mg
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0800	mg/L
CLSTP	Last Nonzero Conc Pred	0.0400	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	1.6429	h
LAMZ	Lambda z	0.4219	/h
LAMZLL	Lambda z Lower Limit	0.5000	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	10	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9359	
R2	R Squared	0.8758	

R2ADJ	R Squared Adjusted	0.8603	
AUCLST	AUC to Last Nonzero Conc	2.9338	h*mg/L
AUCALL	AUC All	2.9338	h*mg/L
AUCIFO	AUC Infinity Obs	3.1234	h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.1249	h*mg/L/mg
AUCIFP	AUC Infinity Pred	3.0285	h*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.1211	h*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	6.0711	%
AUCPEP	AUC %Extrapolation Pred	3.1285	%
AUMCLST	AUMC to Last Nonzero Conc	5.0063	h2*mg/L
AUMCIFO	AUMC Infinity Obs	6.9727	h2*mg/L
AUMCIFP	AUMC Infinity Pred	5.9888	h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	28.2019	%
AUMCPEP	AUMC % Extrapolation Pred	16.4063	ફ
VZO	Vz Obs	18.9721	L
VZP	Vz Pred	19.5664	L
CLO	Total CL Obs	8.0042	L/h
CLP	Total CL Pred	8.2549	L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.4564	h
MRTIVIFO	MRT Intravasc Infinity Obs	1.9824	h
MRTIVIFP	MRT Intravasc Infinity Pred	1.7275	h
VSSO	Vol Dist Steady State Obs	15.8676	L
VSSP	Vol Dist Steady State Pred	14.2602	L





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Calculation Setting

Drug Administration: Constant Infusion

Observation count excluding trailing zero: 11

Dose at time 0: 25 mg Length of Infusion: 0.5

AUC Calculation Method: Linear-up Linear-down

Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=1e-4

Fitting, AUC, AUMC Result

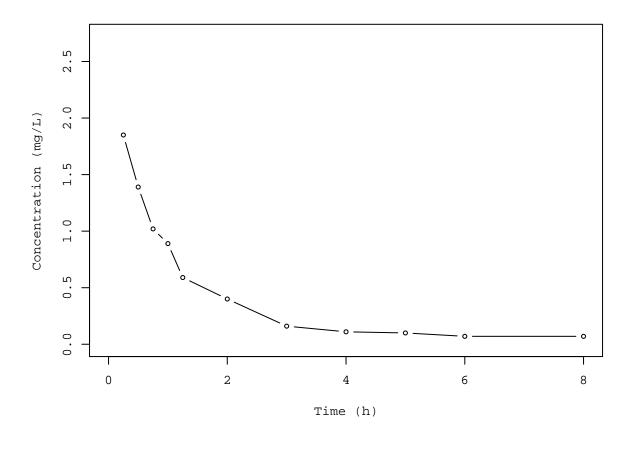
Time		Conc.	Pred.	Residual	AUC	AUMC
0.0000	+	0.0000			0.0000	0.0000
0.2500		1.8500			0.2313	0.0578
0.5000	*	1.3900	0.8606	+5.294e-01	0.6363	0.2025
0.7500	*	1.0200	0.7730	+2.470e-01	0.9375	0.3850
1.0000	*	0.8900	0.6944	+1.956e-01	1.1763	0.5919
1.2500	*	0.5900	0.6238	-3.376e-02	1.3613	0.7953
2.0000	*	0.4000	0.4521	-5.213e-02	1.7325	1.3719
3.0000	*	0.1600	0.2944	-1.344e-01	2.0125	2.0119
4.0000	*	0.1100	0.1917	-8.168e-02	2.1475	2.4719
5.0000	*	0.1000	0.1248	-2.480e-02	2.2525	2.9419
6.0000	*	0.0700	0.0813	-1.126e-02	2.3375	3.4019
8.0000	*	0.0700	0.0344	+3.555e-02	2.4775	4.3819

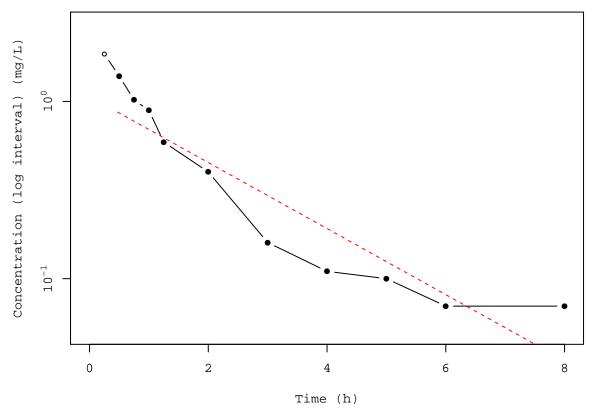
- +: Back extrapolated concentration
- *: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	1.8500	mg/L
CMAXD	Max Conc Norm by Dose	0.0740	${\rm mg/L/mg}$
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0700	mg/L
CLSTP	Last Nonzero Conc Pred	0.0344	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	1.6154	h
LAMZ	Lambda z	0.4291	/h
LAMZLL	Lambda z Lower Limit	0.5000	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	10	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9312	
R2	R Squared	0.8671	

R2ADJ	R Squared Adjusted	0.8505
AUCLST	AUC to Last Nonzero Conc	2.4775 h*mg/L
AUCALL	AUC All	2.4775 h*mg/L
AUCIFO	AUC Infinity Obs	2.6406 h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.1056 h*mg/L/mg
AUCIFP	AUC Infinity Pred	2.5578 h*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.1023 h*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	6.1781 %
AUCPEP	AUC %Extrapolation Pred	3.1390 %
AUMCLST	AUMC to Last Nonzero Conc	4.3819 h2*mg/L
AUMCIFO	AUMC Infinity Obs	6.0672 h2*mg/L
AUMCIFP	AUMC Infinity Pred	5.2113 h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	27.7779 %
AUMCPEP	AUMC % Extrapolation Pred	15.9159 %
VZO	Vz Obs	22.0646 L
VZP	Vz Pred	22.7793 L
CLO	Total CL Obs	9.4674 L/h
CLP	Total CL Pred	9.7741 L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.5187 h
MRTIVIFO	MRT Intravasc Infinity Obs	2.0476 h
MRTIVIFP	MRT Intravasc Infinity Pred	1.7874 h
VSSO	Vol Dist Steady State Obs	19.3857 L
VSSP	Vol Dist Steady State Pred	17.4704 L





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Calculation Setting

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Dose at time 0: 25 mg Length of Infusion: 0.5

AUC Calculation Method: Linear-up Linear-down

Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=le-4

Fitting, AUC, AUMC Result

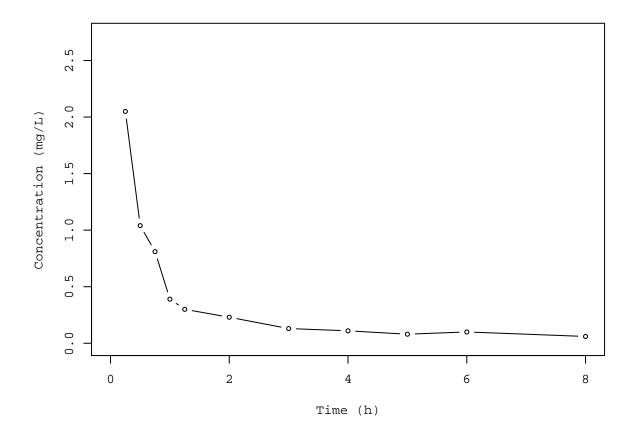
Time		Conc.	Pred.	Residual	AUC	AUMC
0.0000	+	0.0000			0.0000	0.0000
0.2500		2.0500			0.2563	0.0641
0.5000		1.0400			0.6425	0.1931
0.7500		0.8100			0.8738	0.3341
1.0000	*	0.3900	0.2908	+9.920e-02	1.0238	0.4588
1.2500	*	0.3000	0.2730	+2.700e-02	1.1100	0.5544
2.0000	*	0.2300	0.2259	+4.143e-03	1.3088	0.8675
3.0000	*	0.1300	0.1754	-4.542e-02	1.4888	1.2925
4.0000	*	0.1100	0.1362	-2.624e-02	1.6087	1.7075
5.0000	*	0.0800	0.1058	-2.581e-02	1.7038	2.1275
6.0000	*	0.1000	0.0822	+1.782e-02	1.7938	2.6275
8.0000	*	0.0600	0.0496	+1.043e-02	1.9538	3.7075

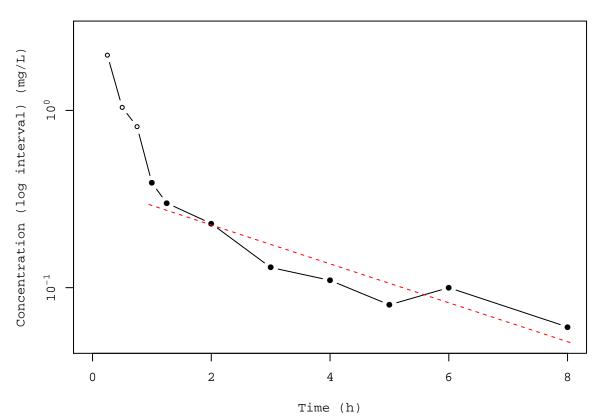
- +: Back extrapolated concentration
- *: Used for the calculation of Lambda z.

Calculated Values

CMAX	Max Conc	2.0500	mg/L
CMAXD	Max Conc Norm by Dose	0.0820	${\rm mg/L/mg}$
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0600	mg/L
CLSTP	Last Nonzero Conc Pred	0.0496	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	2.7424	h
LAMZ	Lambda z	0.2527	/h
LAMZLL	Lambda z Lower Limit	1.0000	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	8	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9355	
R2	R Squared	0.8752	

R2ADJ	R Squared Adjusted	0.8545	
AUCLST	AUC to Last Nonzero Conc	1.9538 h	*mg/L
AUCALL	AUC All	1.9538 h	*mg/L
AUCIFO	AUC Infinity Obs	2.1911 h	*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.0876 h	*mg/L/mg
AUCIFP	AUC Infinity Pred	2.1499 h	*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.0860 h	*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	10.8341 %	
AUCPEP	AUC %Extrapolation Pred	9.1228 %	
AUMCLST	AUMC to Last Nonzero Conc	3.7075 h	12*mg/L
AUMCIFO	AUMC Infinity Obs	6.5459 h	12*mg/L
AUMCIFP	AUMC Infinity Pred	6.0525 h	12*mg/L
AUMCPEO	AUMC %Extrapolation Obs	43.3612 %	
AUMCPEP	AUMC % Extrapolation Pred	38.7447 %	
VZO	Vz Obs	45.1422 L	ı
VZP	Vz Pred	46.0085 L	ı
CLO	Total CL Obs	11.4096 L	ı/h
CLP	Total CL Pred	11.6286 L	ı/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.6476 h	L
MRTIVIFO	MRT Intravasc Infinity Obs	2.7374 h	L
MRTIVIFP	MRT Intravasc Infinity Pred	2.5653 h	L
VSSO	Vol Dist Steady State Obs	31.2329 L	ı
VSSP	Vol Dist Steady State Pred	29.8306 L	ı





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Weighting for lambda z: Uniform (Ordinary Least Square, OLS)

Lambda z selection criterion: Heighest adjusted R-squared value with precision=le-4

Fitting, AUC, AUMC Result

Time		Conc.	Pred.	Residual	AUC	AUMC
0.0000	+	0.0000			0.0000	0.0000
0.2500		2.3100			0.2888	0.0722
0.5000		1.4400			0.7575	0.2344
0.7500	*	1.0300	0.7297	+3.003e-01	1.0663	0.4209
1.0000	*	0.8400	0.6680	+1.720e-01	1.3000	0.6225
1.2500	*	0.6400	0.6115	+2.849e-02	1.4850	0.8275
2.0000	*	0.4200	0.4691	-4.909e-02	1.8825	1.4425
3.0000	*	0.2400	0.3294	-8.940e-02	2.2125	2.2225
4.0000	*	0.1700	0.2313	-6.131e-02	2.4175	2.9225
5.0000	*	0.1300	0.1624	-3.243e-02	2.5675	3.5875
6.0000	*	0.1000	0.1141	-1.406e-02	2.6825	4.2125
8.0000	*	0.0900	0.0562	+3.376e-02	2.8725	5.5325

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

Calculated Values

CMAX	Max Conc	2.3100	mg/L
CMAXD	Max Conc Norm by Dose	0.0924	mg/L/mg
TMAX	Time of CMAX	0.2500	h
TLAG	Time Until First Nonzero Conc	0.0000	h
CLST	Last Nonzero Conc	0.0900	mg/L
CLSTP	Last Nonzero Conc Pred	0.0562	mg/L
TLST	Time of Last Nonzero Conc	8.0000	h
LAMZHL	Half-Life Lambda z	1.9607	h
LAMZ	Lambda z	0.3535	/h
LAMZLL	Lambda z Lower Limit	0.7500	h
LAMZUL	Lambda z Upper Limit	8.0000	h
LAMZNPT	Number of Points for Lambda z	9	
CORRXY	Correlation Between TimeX and Log ConcY	-0.9508	
R2	R Squared	0.9040	

R2ADJ	R Squared Adjusted	0.8902	
AUCLST	AUC to Last Nonzero Conc	2.8725	h*mg/L
AUCALL	AUC All	2.8725	h*mg/L
AUCIFO	AUC Infinity Obs	3.1271	h*mg/L
AUCIFOD	AUC Infinity Obs Norm by Dose	0.1251	h*mg/L/mg
AUCIFP	AUC Infinity Pred	3.0316	h*mg/L
AUCIFPD	AUC Infinity Pred Norm by Dose	0.1213	h*mg/L/mg
AUCPEO	AUC %Extrapolation Obs	8.1412	%
AUCPEP	AUC %Extrapolation Pred	5.2478	%
AUMCLST	AUMC to Last Nonzero Conc	5.5325	h2*mg/L
AUMCIFO	AUMC Infinity Obs	8.2893	h2*mg/L
AUMCIFP	AUMC Infinity Pred	7.2553	h2*mg/L
AUMCPEO	AUMC %Extrapolation Obs	33.2573	%
AUMCPEP	AUMC % Extrapolation Pred	23.7450	%
VZO	Vz Obs	22.6145	L
VZP	Vz Pred	23.3268	L
CLO	Total CL Obs	7.9947	L/h
CLP	Total CL Pred	8.2465	L/h
MRTIVLST	MRT Intravasc to Last Nonzero Conc	1.6760	h
MRTIVIFO	MRT Intravasc Infinity Obs	2.4008	h
MRTIVIFP	MRT Intravasc Infinity Pred	2.1432	h
VSSO	Vol Dist Steady State Obs	19.1937	L
VSSP	Vol Dist Steady State Pred	17.6740	L

