

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 18:16:35.983037 Asia/Seoul

Calculation Setting

Drug Administration: Bolus IV
Observation count excluding trailing zero: 3
Dose at time 0: 1.2 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	139.3173 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	145050.0981 h*ug/L/mg
AUCIFP	AUC Infinity Pred	174210.0803 h*ug/L
AUCIFPD	AUC Infinity Pred Norm by Dose	145175.0669 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

GROUP=G10

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	1.5822	L
VZP	Vz Pred	1.5808	L
CLO	Total CL Obs	0.0069	L/h
CLP	Total CL Pred	0.0069	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	1.3354	L
VSSP	Vol Dist Steady State Pred	1.3405	L

GROUP=G10

