

TABLE 2 Predictive performance of busulfan AUC by multiple regression analysis

Sampling times	Number of samples	LSS equation for $AUC_{0-\infty}$	r^2	MAPE (%)
One-point models				
C_1	45	$0.809 C_1 + 417.8$	0.505	21.1
C_2	87	$0.669 C_2 + 255.5$	0.545	18.0
C_3	75	$1.094 C_3 + 209.2$	0.743	13.0
C_4	84	$2.205 C_4 + 25.6$	0.777	11.5
C_6	82	$2.789 C_6 + 216.3$	0.789	11.0
Two-point models				
C_3, C_4	72	$0.515 C_3 + 1.461 C_4 + 7.11$	0.858	9.8
C_4, C_6	80	$1.185 C_4 + 1.651 C_6 + 34.2$	0.894	7.5
C_3, C_6	70	$0.648 C_3 + 1.672 C_6 + 92.3$	0.943	6.4
Three-point models				
C_3, C_4, C_6	68	$0.520 C_3 + 0.507 C_4 + 1.400 C_6 + 38.5$	0.955	5.9

Abbreviations: C_n , busulfan plasma concentration (ng/mL) after the start of infusion; LSS, limited sampling strategy; AUC, area under the concentration-time curve; MAPE, mean absolute percentage error