

Busulfan Conversion Chart (Total AUC units assume four (4) total days busulfan)

Total AUC (Four-Day Regimen)		Q24 AUC (per dose)		Q6 AUC (per dose)		Css
mg x h/L	uMolar x min	mg x h/L	uMolar x min	mg x h/L	uMolar x min	ng/mL
30.0	7308	7.50	1827	1.88	457	313
33.6	8185	8.40	2046	2.10	512	350
38.4	9354	9.60	2339	2.40	585	400
40.0	9744	10.00	2436	2.50	609	417
43.2	10,524	10.80	2631	2.70	658	450
45.0	10,962	11.25	2741	2.81	685	469
48.0	11,693	12.00	2923	3.00	731	500
50.0	12,180	12.50	3045	3.13	761	521
52.8	12,862	13.20	3216	3.30	804	550
55.0	13,398	13.75	3350	3.44	837	573
57.6	14,032	14.40	3508	3.60	877	600
59.1	14,397	14.78	3599	3.69	900	616
60.0	14,616	15.00	3654	3.75	914	625
62.4	15,201	15.60	3800	3.90	950	650
65.0	15,834	16.25	3959	4.06	990	677
65.7	16,005	16.43	4001	4.11	1000	684
67.2	16,370	16.80	4093	4.20	1023	700
70.0	17,052	17.50	4263	4.38	1066	729
72.0	17,540	18.00	4385	4.50	1096	750
72.3	17,613	18.08	4403	4.52	1101	753
73.9	18,002	18.48	4501	4.62	1125	770
75.0	18,270	18.75	4568	4.69	1142	781
76.8	18,709	19.20	4677	4.80	1169	800
78.0	19,001	19.50	4750	4.88	1188	813
78.8	19,196	19.70	4799	4.93	1200	821
80.0	19,488	20.00	4872	5.00	1218	833
81.6	19,878	20.40	4970	5.10	1242	850
82.1	20,000	20.53	5000	5.13	1250	855
85.0	20,706	21.25	5177	5.31	1294	885
86.4	21,048	21.60	5262	5.40	1315	900
87.0	21,194	21.75	5298	5.44	1325	906
90.0	21,924	22.50	5481	5.63	1370	938
90.3	21,998	22.58	5499	5.64	1375	941
91.2	22,217	22.80	5554	5.70	1389	950
95.0	23,143	23.75	5786	5.94	1446	990
96.0	23,386	24.00	5847	6.00	1462	1000
98.5	23,995	24.63	5999	6.16	1500	1026
100.0	24,361	25.00	6090	6.25	1523	1042
101.0	24,604	25.25	6151	6.31	1538	1052
105.0	25,579	26.25	6395	6.56	1599	1094
110.0	26,797	27.50	6699	6.88	1675	1146

Busulfan molar mass (molecular weight) = 246.3 gram/mole, <https://pubchem.ncbi.nlm.nih.gov/compound/2478>
 Seattle Cancer Care Alliance, Pharmacokinetics Laboratory. Version 1.2, updated 8.18.2020.

