

Supplemental Table 1a. Organ and tissue uptake of 1-TG in HCT116 model

1 TG HCT116							
Organ	0.5h		2h		4h		p-value
	ID%	SD	ID%	SD	ID%	SD	
Blood	2.3188	1.6806	0.9626	0.3330	0.4022	0.1137	0.021
Brain	0.0708	0.0543	0.0287	0.0062	0.0264	0.0176	0.049
Heart	0.7801	0.3014	0.4199	0.0729	0.2473	0.0701	0.012
Liver	2.4642	2.8502	0.9035	0.4040	0.8242	0.5853	0.472
Kidney left	8.9246	2.7021	10.4170	4.5865	12.2881	5.1901	0.500
Kidney right	8.4938	2.7125	10.6467	4.6504	13.3942	5.4821	0.334
Spleen	0.8677	0.7649	0.3871	0.1180	0.5676	0.6594	0.245
Stomach	0.2731	0.0613	0.2332	0.1037	0.2376	0.1642	0.874
Bowel	0.6638	0.3817	0.7870	0.3463	0.4221	0.3865	0.367
Lungs	1.2743	0.5762	0.6840	0.1438	0.4349	0.0446	0.021
Muscle	0.5714	0.2224	0.1521	0.0440	0.2003	0.1577	0.038
Tumor	0.8564	0.2749	0.6104	0.1648	0.5989	0.1566	0.231
Tumor/Muscle-Ratio	1.8664	1.2971	4.1497	1.1486	4.2251	2.7028	0.167

n=4

Supplemental Table 1b. Organ and tissue uptake of 1-TG in A549 model

1 TG A549							
Organ	0.5h		2h		4h		p-value
	ID%	SD	ID%	SD	ID%	SD	
Blood	2.3650	0.4781	1.0228	0.4188	0.6260	0.1231	0.015
Brain	0.0615	0.0178	0.0427	0.0231	0.0227	0.0082	<i>0.062</i>
Heart	0.9509	0.2324	0.6232	0.2071	0.3685	0.1173	0.023
Liver	2.7391	3.1786	3.7832	3.3172	1.5846	0.7279	0.874
Kidney left	11.2703	3.2252	6.1462	3.7154	12.0807	12.3509	0.389
Kidney right	11.1532	3.2931	6.2191	3.7755	11.9807	12.4438	0.389
Spleen	0.9946	0.7521	1.3146	1.0719	0.5610	0.2726	0.778
Stomach	0.3059	0.0830	0.1354	0.0762	0.1661	0.0949	<i>0.069</i>
Bowel	0.6750	0.1422	0.5653	0.5435	0.2330	0.1022	<i>0.062</i>
Lungs	1.5995	0.5019	0.9548	0.2763	0.6523	0.1171	0.038
Muscle	0.3518	0.0319	0.1487	0.0234	0.1236	0.0428	0.020
Tumor	0.7811	0.3587	0.4674	0.1972	0.5185	0.3519	0.397
Tumor/Muscle-Ratio	2.2517	1.1179	3.1543	1.1194	4.0138	1.7816	0.210

n=4

Supplemental Table 1c. Organ and tissue uptake of 5-TG in HCT116 model

5 TG HCT116							
Organ	0.5h		2h		4h		p-value
	ID%	SD	ID%	SD	ID%	SD	
Blood	1.7878	1.0652	0.8067	0.1412	0.6062	0.2559	0.015
Brain	0.0495	0.0158	0.0366	0.0114	0.0387	0.0309	0.667
Heart	0.9508	0.3219	0.4194	0.0753	0.2566	0.1230	0.012
Liver	5.8800	1.4665	8.7182	6.4021	4.8216	1.3143	0.367
Kidney left	6.1779	1.0362	4.2988	1.1155	2.8141	0.7138	0.017
Kidney right	6.2368	0.9311	4.3776	1.1495	2.9333	0.4559	0.013
Spleen	2.8531	1.8973	5.0019	3.9424	2.9412	1.5077	0.297
Stomach	0.7464	0.5135	0.2231	0.0981	0.1725	0.0837	0.105
Bowel	0.7752	0.2843	0.7091	0.6137	0.3147	0.2223	0.097
Lungs	10.3817	2.0293	4.3414	4.1510	1.9437	1.4005	0.043
Muscle	0.7823	1.2145	0.1381	0.0526	0.1666	0.1655	0.309
Tumor	0.5339	0.2509	0.3104	0.0226	0.2709	0.0826	0.086
Tumor/Muscle-Ratio	2.1659	1.7001	2.4634	0.7839	2.7414	1.7891	0.981

n=4

Supplemental Table 1d. Organ and tissue uptake of 5-TG in A549 model

5 TG A549							
Organ	0.5h		2h		4h		p-value
	ID%	SD	ID%	SD	ID%	SD	
Blood	1.0807	1.1982	0.6028	0.3704	0.4142	0.1829	0.693
Brain	0.1609	0.1323	0.0935	0.0525	0.0557	0.0233	0.367
Heart	0.7435	0.5510	0.4192	0.1295	0.3146	0.1651	0.583
Liver	6.8791	4.1662	6.0255	2.9446	7.0713	3.3201	0.981
Kidney left	3.2512	1.5003	2.3772	0.5401	1.6884	0.7506	0.500
Kidney right	3.3925	1.4887	2.4264	0.5081	1.9270	1.0136	0.500
Spleen	2.9482	3.0580	2.6271	2.0466	4.0604	2.5387	0.595
Stomach	0.1802	0.1797	0.0910	0.0112	0.4650	0.4996	0.116
Bowel	0.5048	0.5487	0.2542	0.1260	0.2264	0.1373	0.874
Lungs	4.1008	2.9607	2.4486	1.2061	2.2072	1.7874	0.667
Muscle	0.1449	0.1047	0.1222	0.0525	0.0551	0.0309	0.231
Tumor	0.2072	0.1804	0.2211	0.0653	0.1957	0.0973	0.550
Tumor/Muscle-Ratio	1.6754	0.8576	2.0266	0.7108	4.0718	1.2647	0.023

n=4