

Bioconjugate Chemistry

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Table 3. Mean percent injected dose per gram of tissue (% ID/g) for ^{111}In -labeled cT84.66-DOTA in LS174T tumor-bearing nude mice. Standard errors (SE) are given in parentheses; all data were corrected for radiodecay.

Organ	0 h	4 h	18 h	48 h	72 h	96 h
Blood	34.3 (6.9)	25.4 (2.8)	23.5 (4.8)	11.2 (0.2)	8.56 (2.2)	9.09 (1.3)
Liver	10.0 (0.7)	7.40 (0.8)	8.54 (1.3)	11.5 (1.6)	13.4 (2.4)	11.6 (2.0)
Spleen	6.00 (0.8)	6.16 (1.1)	7.11 (1.6)	5.91 (1.0)	8.06 (0.8)	7.82 (0.6)
Kidney	5.93 (1.5)	7.51 (0.2)	7.86 (1.6)	5.30 (0.3)	4.72 (1.1)	4.29 (0.3)
Lung	18.4 (1.5)	11.8 (1.6)	13.0 (3.4)	5.52 (0.4)	3.79 (1.2)	4.59 (0.5)
Bowel	1.30 (0.1)	2.70 (0.3)	2.20 (0.3)	1.50 (0.1)	1.19 (0.2)	1.14 (0.02)
Bone	2.30 (0.2)	3.05 (0.1)	3.32 (0.9)	1.86 (0.1)	1.64 (0.3)	1.66 (0.1)
Tumor	3.89 (0.1)	16.7 (2.0)	51.9 (10.6)	57.6 (6.7)	50.4 (6.0)	69.4 (2.6)
Carcass	2.28 (0.3)	3.00 (0.2)	3.10 (0.3)	2.60 (0.2)	1.60 (0.3)	2.10 (0.2)
Tumor mass (mg)	58 (4)	83 (26)	153 (28)	258 (51)	360 (44)	232 (45)
No. of animals	3	4	4	4	4	4

Table 4. Mean percent injected dose per gram of tissue (% ID/g) for ^{90}Y -labeled cT84.66-DOTA in LS174T tumor-bearing nude mice. Standard errors (SE) are given in parentheses; all data were corrected for radiodecay.

Organ	0.75 h	6 h	24 h	48 h	72 h	96 h
Blood	41.3 (6.2)	27.7 (1.12)	22.5 (1.1)	21.2 (1.7)	12.0 (1.0)	11.3 (1.0)
Liver	7.42 (0.9)	5.37 (0.2)	4.41 (0.3)	5.13 (0.3)	3.71 (0.3)	6.11 (0.9)
Spleen	5.74 (1.0)	5.20 (0.3)	5.63 (0.4)	7.82 (0.6)	7.82 (1.5)	6.12 (1.1)
Kidney	7.50 (1.0)	6.02 (0.3)	5.88 (0.6)	6.10 (0.2)	4.60 (0.2)	4.68 (0.4)
Bone	1.97 (0.4)	1.90 (0.5)	1.86 (0.1)	1.39 (0.3)	1.42 (0.3)	1.07 (0.1)
Tumor	7.57 (0.8)	17.2 (1.1)	57.4 (3.8)	65.9 (16.2)	55.0 (6.5)	64.0 (10.0)
Carcass	2.72 (0.1)	2.70 (0.1)	2.58 (0.1)	2.87 (0.1)	2.28 (0.1)	2.10 (0.1)
Tumor mass (mg)	79 (26)	45 (10)	64 (8)	74 (27)	71 (8)	85 (4)
No. of animals	4	4	4	4	4	4

Table 5. Mean percent injected dose per gram of tissue (% ID/g) for ^{111}In -labeled cT84.66-MCDOTA in LS174T tumor-bearing nude mice. Standard errors (SE) are given in parentheses; all data have been corrected for radiodecay.

Organ	0 h	4 h	12 h	18 h	48 h	96 h	120 h
Blood	34.9 (4.3)	21.1 (3.4)	25.3 (5.2)	12.4 (1.4)	9.98 (0.3)	8.16 (0.3)	2.00 (0.7)
Liver	8.22 (0.5)	7.44 (0.6)	7.31 (0.8)	5.93 (0.4)	9.54 (2.2)	7.56 (1.2)	10.9 (1.1)
Spleen	7.00 (0.7)	7.41 (0.5)	9.08 (1.1)	5.34 (0.5)	8.87 (1.6)	6.89 (1.0)	9.86 (1.9)
Kidney	9.04 (0.9)	7.74 (0.4)	9.42 (1.2)	7.05 (0.4)	7.63 (0.6)	6.83 (0.2)	4.64 (0.4)
Lung	19.0 (2.0)	16.8 (1.2)	12.7 (1.5)	9.84 (0.8)	6.73 (1.4)	3.98 (0.2)	1.35 (0.3)
Bowel	1.80 (0.3)	2.69 (0.2)	2.61 (0.3)	2.05 (0.1)	1.70 (0.2)	1.05 (0.1)	0.48 (0.1)
Bone	1.90 (0.3)	2.22 (0.1)	2.38 (0.2)	1.64 (0.1)	1.82 (0.1)	1.70 (0.2)	1.20 (0.1)
Tumor	3.44 (0.2)	24.3 (3.5)	43.5 (4.2)	45.8 (5.8)	67.8 (5.0)	48.8 (9.5)	38.5 (5.1)
Carcass	2.42 (0.1)	3.01 (0.1)	3.89 (0.4)	3.33 (0.2)	2.45 (0.2)	1.86 (0.1)	1.00 (0.2)
Tumor mass (mg)	46 (8)	120 (33)	110 (31)	140 (49)	196 (49)	180 (37)	372 (51)
No. of animals	5	5	5	5	5	5	5

Table 6. Mean percent injected dose per gram of tissue (% ID/g) for ^{90}Y -labeled cT84.66-MCDOTA in LS174T tumor-bearing nude mice. Standard errors (SE) are given in parentheses; all data were corrected for radiodecay.

Organ	0 h	4 h	12 h	18 h	48 h	96 h	120 h
Blood	34.7 (4.2)	20.2 (3.3)	24.1 (5.0)	14.4 (1.6)	8.83 (0.2)	6.93 (0.4)	1.70 (0.6)
Liver	8.86 (0.5)	8.25 (1.2)	9.87 (1.1)	4.53 (1.1)	7.75 (1.0)	8.42 (0.8)	9.30 (1.7)
Bone	1.91 (0.3)	1.97 (0.1)	2.17 (0.2)	1.44 (0.1)	1.51 (0.1)	1.28 (0.2)	0.95 (0.1)
Tumor	2.34 (0.3)	18.8 (5.4)	40.9 (4.2)	31.1 (4.8)	62.8 (3.6)	42.2 (7.9)	36.7 (3.8)
Tumor mass (mg)	46 (8)	120 (33)	110 (31)	140 (49)	196 (49)	180 (37)	372 (58)
No. of animals	5	5	5	5	5	5	5