Table S1. Tumor-to-organ ratios for biodistribution data

	[^{64}Cu]Cu-NOTA		[^{64}Cu]Cu-NODAGA		[^{57}Co]Co-NOTA		[^{57}Co]Co-NODAGA	
Tumor/organ	3 h	24 h	3 h	24 h	3 h	24 h	3 h	24 h
Blood	66.96 ± 15.46	10.88 ± 2.68	83.09 ± 30.36	10.54 ± 9.04	259.72 ± 203.22	62.17 ± 19.02	203.62 ± 128.57	91.65 ± 98.90
Kidney	8.91 ± 2.43	1.69 ± 0.34	2.43 ± 0.99	1.34 ± 0.65	7.26 ± 5.66	6.05 ± 3.86	6.34 ± 6.25	8.41 ± 8.73
GI	5.66 ± 2.15	6.27 ± 2.11	2.30 ± 0.60	5.90 ± 1.96	18.30 ± 12.63	15.30 ± 7.07	5.29 ± 4.38	14.27 ± 14.38
Stomach	3.60 ± 1.67	3.13 ± 1.02^{c}	9.08 ± 2.12	2.45 ± 1.17^{e}	5.87 ± 4.24	5.31 ± 1.53^{c}	9.14 ± 5.48	13.74 ± 9.32^{e}
Spleen	43.62 ± 17.16	12.19 ± 10.60	45.38 ± 7.95	11.29 ± 7.06	62.80 ± 60.60	7.77 ± 1.55	61.25 ± 36.71	11.79 ± 8.29
Small int.	5.71 ± 1.42^{c}	3.76 ± 1.50	9.92 ± 2.55	3.82 ± 2.37	11.45 ± 9.57	4.55 ± 2.11	47.92 ± 40.36^{c}	18.46 ± 17.33
Pancreas	3.45 ± 1.41	4.77 ± 2.28	8.90 ± 2.83	5.49 ± 3.99	7.90 ± 5.28	12.67 ± 2.71	6.55 ± 3.84	19.32 ± 16.52
Liver	6.91 ± 1.62^{b,c}	0.86 ± 0.15	8.42 ± 2.42^{e}	1.02 ± 0.51	56.54 ± 37.11^{b}	24.37 ± 5.29	68.36 ± 36.19^{c,e}	33.95 ± 20.39
Lung	18.98 ± 3.67^{c}	3.09 ± 1.18	19.38 ± 4.53^{e}	6.37 ± 4.33	75.74 ± 55.74	14.64 ± 4.27	89.42 ± 51.52^{c,e}	22.53 ± 22.28
Bone	100.32 ± 98.50	6.50 ± 4.41	35.31 ± 19.12	0.84 ± 0.00	43.85 ± 33.41	4.58 ± 3.62	44.88 ± 42.93	3.85 ± 4.29
Muscle	277.32 ± 91.62	56.65 ± 0.00	557.15 ± 634.61	62.58 ± 0.00	208.90 ± 138.41	28.24 ± 11.04	225.11 ± 161.38	43.95 ± 27.26

Supplementary table 1. Tumor-to-organ ratios for [^{64}Cu]Cu-X-RM26 and [57Co]Co-X-RM26 (X= NOTA-PEG$_2$ and NODAGA-PEG$_2$) in BALB C/nu mice at 3 h and 24 h p.i. All values are presented as mean ±standard error of mean (SEM). Significant difference ($p<0.05$) at the same time point:

[a] between [^{64}Cu]Cu-NOTA and [^{64}Cu]Cu-NODAGA; [b] between [^{64}Cu]Cu-NOTA and [^{57}Co]Co-NOTA; [c] between [^{64}Cu]Cu-NOTA and [^{57}Co]Co-NODAGA; [d] between [^{64}Cu]Cu-NODAGA and [^{57}Co]Co-NOTA; [e] between [^{64}Cu]Cu-NODAGA and [^{57}Co]Co-NODAGA; [f] between [^{57}Co]Co-NOTA and [^{57}Co]Co-NODAGA.

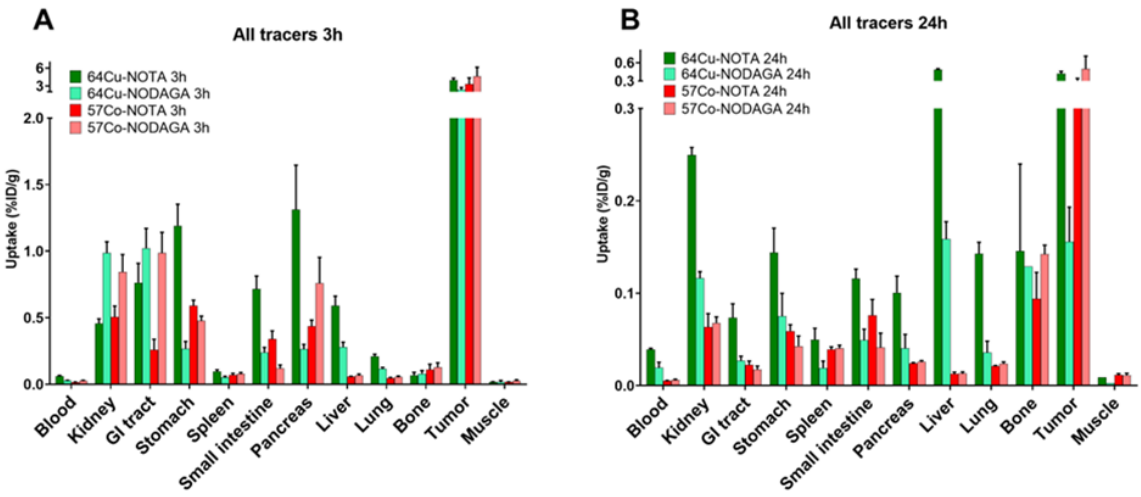

Figure S1: Biodistribution of [^{64}Cu]Cu-X -RM26 (X=NOTA-PEG$_2$, NODAGA-PEG$_2$) in PC-3 xenografted BALB/C nu/nu mice at (**A**) 3 h and (**B**) 24 h p.i. The organ uptake values are expressed as a percentage of the injected dose per gram of tissue weight (%ID/g) except the gastrointestinal (GI) tract for which the values were expressed as a percentage of the injected dose per sample (%ID).