Recovery of Radioactivity 4 Hours Following Intravenous Administration of 1.1 mg/kg [^{14}C]o-Chloropyridine to Male B6C3F$_1$ Mice (Study G)[a]

Distribution in Tissues (4 hours)

Tissue	ng-eq/g Tissue Mean	ng-eq/g Tissue SD	TBR[b] Mean	TBR SD	Dose in Total Tissue (%) Mean[c]	Dose in Total Tissue (%) SD
Adipose[d]	98.4	62.8	1.65	1.26	0.927	0.629
Bladder	1260	1540	21.6	29.2	0.209	0.307
Blood	72.7	29.0	Unity	–	0.523	0.186
Brain	21.5	11.6	0.336	0.234	0.0357	0.0120
Heart	52.9	9.7	0.790	0.268	0.0269	0.0062
Kidney	382	75	5.57	1.32	0.549	0.087
Liver	890	89	13.5	4.6	4.18	0.52
Lung	675	74	10.3	3.6	0.391	0.032
Muscle[d]	76.0	74.4	1.27	1.44	3.27	3.18
Skin, Ears	38.0	5.3	0.567	0.168	0.520	0.052
Spleen	60.7	13.7	0.939	0.375	0.0173	0.0031
Testes	68.2	45.5	1.14	0.92	0.0511	0.0345
Small Intestine[e]	NA[g]	–	NA	–	4.05	1.27
Large Intestine[e]	NA	–	NA	–	4.87	3.54
Cecum[e]	NA	–	NA	–	17.7	2.6
Stomach[e]	NA	–	NA	–	0.485	0.749
Carcass[f]	NA	–	NA	–	0.424	0.501

[a] Values are mean ± standard deviation (SD) for four mice. The average oral dose was 1.14 mg/kg (ca. 9.74 μCi/rat). This study also included toxicokinetics.

[b] TBR = Tissue/Blood ratio.

[c] Percent dose was calculated using the following values for the mass of total tissue, expressed as percent of body weight taken from Dedrick et al., 1973, and Tuey et. al., 1980: adipose, 9.6%; blood, 7.6%; muscle, 45.2%; and skin, 14.4%.

[d] Adipose and muscle values are averaged results for two sampling locations.

[e] Includes contents.

[f] Carcass values are based on the residual digested carcass after the removal of the listed tissues (i.e., percent dose measured in skin, adipose, blood, and muscle was subtracted from the total percent dose measured in the carcass.)

[g] NA = Not applicable