

Recovery of Radioactivity 48 Hours Following Single Intravenous Administration of 5 mg/kg [¹⁴C]1-Bromopropane to Male Fischer 344 Rats (Study A3)^a

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE ^b	Feces CPDE	Volatile Organics ^c CPDE	CO ₂ ^c CPDE
4	7.5 ± 4.2	d	24.3 ± 1.8	21.4 ± 2.5
7	11.9 ± 1.7	0.1 ± 0.1	24.9 ± 1.9	24.5 ± 3.2
12	15.1 ± 1.4	0.7 ± 0.4	25.1 ± 2.0	26.0 ± 3.6
24	16.6 ± 1.4	1.5 ± 0.6	25.2 ± 2.0	26.6 ± 3.7
48 ^e	17.1 ± 1.6	1.9 ± 1.1	25.2 ± 2.0	27.6 ± 3.7

Distribution in Tissues (48 hours)

Tissue	ng-eq per g Tissue Mean	ng-eq per g Tissue SD	Dose in Total Tissue (%) Mean	Dose in Total Tissue (%) SD
Adipose ^f	80.8	70.2	0.160	0.118
Bladder	176	75.8	0.003	0.001
Blood ^f	171	110	0.331	0.152
Brain	68.5	27.2	0.012	0.006
Heart	156	65.7	0.015	0.003
Kidney	283	122	0.062	0.013
Liver	1100	627	1.148	0.417
Lung	175	90.6	0.019	0.005
Muscle ^f	97.1	34.9	1.121	0.209
Skin ^f	202	85.7	1.080	0.339
Spleen	205	66.4	0.012	0.001
Testes	70.7	27.3	0.022	0.005
Stomach ^g	14.0	4.8	0.096	0.022
Small Intestine ^g	33.5	13.9	0.290	0.106
Cecum ^g	34.9	33.4	0.294	0.326
Large Intestine ^g	23.4	21.2	0.324	0.282
Residual Carcass ^h	ND ⁱ	—	1.38	1.03

Disposition Summary [Dose Recovered (%)]

Tissues	Excreted	Total
6.1 ± 1.5	72.1 ± 7.8	78.2 ± 8.5

^a All values expressed as mean ± standard deviation (SD) (n = 5). Actual dose was 3.4 ± 1.1 mg/kg body weight (0.18 ± 0.04 µCi).

^b CPDE = cumulative percent dose excreted

^c Volatile organics and CO₂ in exhaled breath

^d At the end of the 4-hour collection period, the percent dose excreted in feces was 0.0 ± 0.0 (n = 5).

^e Includes urine present in the bladder at study termination and cage rinse.

^f Percent of dose in these tissues calculated using the following percentages of body weight: adipose 7.21%, blood 7.4%, muscle 40.43%, and skin 19.03%.

^g Includes contents.

^h 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).

ⁱ ND= Not determined.