

Recovery of Radioactivity 24 Hours Following Oral Gavage Administration
of 10 mg/kg [^{14}C]2-Methyltetrahydrofuran to Male F344 Rats (Study E)^a

Dose Recovered in Excreta (%)

End of Collection Period (h)	Urine CPDE ^b	Feces CPDE	Volatile Organics ^c CPDE	CO ₂ ^c CPDE	Total CPDE
6	20.7 ± 2.9	d	3.34 ± 1.08	44.4 ± 1.3	68.5 ± 2.9
12	25.9 ± 2.0	0.493 ± 0.305	3.40 ± 1.08	51.5 ± 2.3	81.3 ± 1.1
24 ^e	26.7 ± 1.9	1.41 ± 0.44	3.44 ± 1.06	53.2 ± 2.4	84.7 ± 2.0

Distribution in Tissues (24 hours)

Tissue	nmol-eq MTHF per g Tissue	Tissue/Blood Ratio	% Dose in Total Tissue
Adipose ^f	13.5 ± 4.4	1.58 ± 0.52	0.647 ± 0.186
Urinary bladder	20.0 ± 6.9	2.31 ± 0.67	0.0141 ± 0.0164
Blood ^f	8.57 ± 0.74	Unity	0.596 ± 0.058
Brain	11.3 ± 2.5	1.31 ± 0.22	0.0586 ± 0.0202
Heart	15.8 ± 1.6	1.85 ± 0.22	0.0450 ± 0.0063
Kidney	57.9 ± 5.4	6.80 ± 0.98	0.394 ± 0.025
Liver	52.6 ± 20.5	6.29 ± 2.87	2.11 ± 0.84
Lung	24.2 ± 2.1	2.84 ± 0.36	0.0860 ± 0.0076
Muscle ^f	8.61 ± 0.99	1.01 ± 0.07	3.41 ± 0.46
Skin ^f	23.0 ± 2.0	2.69 ± 0.07	4.11 ± 0.41
Spleen	24.8 ± 3.8	2.89 ± 0.39	0.0491 ± 0.0031
Testis	10.5 ± 1.6	1.22 ± 0.14	0.111 ± 0.016
Stomach ^g	NA ^h	NA	0.259 ± 0.066
Small intestine ^g	NA	NA	1.16 ± 0.17
Cecum ^g	NA	NA	0.368 ± 0.099
Large intestine ^g	NA	NA	0.200 ± 0.026
Carcass ⁱ	NA	NA	7.53 ± 3.98

Disposition Summary [Dose Recovered (%)]

Tissues	Excreted	Total
21.0 ± 4.3	84.7 ± 2.0	106 ± 6

^aAll values expressed as mean ± standard deviation (SD) (N=4). The target dose was 10 mg MTHF/kg. The actual dose delivered was 9.18 ± 0.16 mg/kg (9.77 ± 0.47 μCi).

^bCPDE = cumulative percent dose excreted.

^cVolatile organics and CO₂ in exhaled breath.

^dThe first feces collection was 0-12 h.

^e24 hour (h) urine collection includes urine present in the urinary bladder at study termination.

^fPercent of dose in these tissues calculated using the following percentages of body weight: adipose 7.0%, blood 7.4%, muscle 40.4%, and skin 19.0%.

^gIncludes contents.

^hNA = Not applicable.

ⁱCarcass 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).