

Recovery of Radioactivity 24 Hours Following Oral Gavage Administration
of 10 mg/kg [^{14}C]2-Methyltetrahydrofuran to Male B6C3F₁ Mice (Study F)^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	32.4 ± 24.8	d	2.15 ± 1.65	29.6 ± 2.8	64.1 ± 22.7
12	59.6 ± 6.4	0.155 ± 0.108	2.19 ± 1.65	32.0 ± 2.9	93.9 ± 4.2
24 ^e	64.2 ± 5.1	0.850 ± 0.221	2.20 ± 1.65	33.1 ± 3.0	100 ± 3

Distribution in Tissues (24 hours)

Tissue	nmol-eq MTHF per g Tissue	Tissue/Blood Ratio	% Dose in Total Tissue
Adipose ^f	14.8 ± 1.0	2.60 ± 0.47	0.492 ± 0.091
Urinary bladder	18.1 ± 3.2	3.22 ± 1.03	0.0123 ± 0.0011
Blood ^f	5.80 ± 0.93	Unity	0.238 ± 0.034
Brain	7.64 ± 1.66	1.32 ± 0.24	0.0818 ± 0.0200
Heart	8.35 ± 0.91	1.45 ± 0.15	0.0268 ± 0.0045
Kidney	26.7 ± 1.7	4.67 ± 0.63	0.285 ± 0.008
Liver	15.9 ± 1.7	2.78 ± 0.43	0.800 ± 0.094
Lung	15.8 ± 2.0	2.78 ± 0.66	0.0498 ± 0.0044
Muscle ^f	7.33 ± 1.28	1.30 ± 0.37	2.76 ± 0.81
Skin ^f	11.2 ± 2.4	1.96 ± 0.55	1.55 ± 0.33
Spleen	16.8 ± 1.6	2.95 ± 0.57	0.0244 ± 0.0069
Testis	9.50 ± 1.62	1.64 ± 0.12	0.0356 ± 0.0041
Stomach ^g	NA ^h	NA	0.0904 ± 0.0259
Small intestine ^g	NA	NA	0.378 ± 0.082
Cecum ^g	NA	NA	0.0772 ± 0.0166
Large intestine ^g	NA	NA	0.104 ± 0.022
Carcass ⁱ	NA	NA	0.00 ± 0.00

Disposition Summary [Dose Recovered (%)]

Tissues	Excreted	Total
6.99 ± 0.99	100 ± 3	107 ± 3

^aAll values expressed as mean ± standard deviation (SD) (N=4). The target dose was 10 mg MTHF/kg. The actual dose delivered was 10.3 ± 0.2 mg/kg (14.1 ± 0.8 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 4.9%, muscle 38.4%, and skin 16.5%.

^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).