

Recovery of Radioactivity 24 Hours Following Intravenous Administration
of 1 mg/kg [^{14}C]2-Methyltetrahydrofuran to Male F344 Rats (Study H)^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
3	2.13 ± 1.76	d	4.94 ± 0.52	25.5 ± 5.2	32.6 ± 6.1
6	19.9 ± 2.5	d	5.27 ± 0.45	42.6 ± 4.4	67.7 ± 1.8
12	25.8 ± 1.4	0.319 ± 0.222	5.38 ± 0.44	49.2 ± 6.2	80.7 ± 4.9
24 ^e	27.1 ± 1.3	1.85 ± 0.20	5.41 ± 0.44	53.2 ± 6.0	87.5 ± 4.9

Distribution in Tissues (24 hours)

Tissue	nmol-eq MTHF per g Tissue	Tissue/Blood Ratio	% Dose in Total Tissue
Adipose ^f	0.827 ± 0.135	0.387 ± 0.208	0.543 ± 0.092
Urinary bladder	2.38 ± 0.36	1.11 ± 0.63	0.0096 ± 0.0043
Blood ^f	3.55 ± 3.69	Unity	2.59 ± 2.85
Brain	2.44 ± 0.51	1.25 ± 0.93	0.167 ± 0.054
Heart	6.18 ± 0.58	2.94 ± 1.63	0.186 ± 0.031
Kidney	5.43 ± 1.06	2.48 ± 1.37	0.440 ± 0.088
Liver	11.3 ± 4.4	5.38 ± 3.10	4.73 ± 1.47
Lung	4.75 ± 1.50	2.04 ± 1.00	0.208 ± 0.073
Muscle ^f	1.73 ± 0.53	0.846 ± 0.548	7.17 ± 2.22
Skin ^f	3.22 ± 0.81	1.73 ± 1.40	6.04 ± 2.24
Spleen	6.63 ± 2.01	2.88 ± 1.47	0.159 ± 0.043
Testis	1.62 ± 0.27	0.833 ± 0.597	0.205 ± 0.058
Stomach ^g	NA ^h	NA	0.167 ± 0.045
Small intestine ^g	NA	NA	0.848 ± 0.144
Cecum ^g	NA	NA	0.331 ± 0.103
Large intestine ^g	NA	NA	0.187 ± 0.083
Carcass ⁱ	NA	NA	0.222 ± 0.444
Tail ^j	NA	NA	0.428 ± 0.163

Disposition Summary [Dose Recovered (%)]

Tissues	Excreted	Total
24.6 ± 3.1	87.5 ± 4.9	112 ± 6

^aAll values expressed as mean ± standard deviation (SD) (N=4). The target dose was 1 mg MTHF/kg. The actual dose delivered was 0.904 ± 0.137 mg/kg (4.19 ± 0.70 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).

^jTail was processed separately from the carcass.