

**Distribution of Radioactivity 24 Hours^a Following 1, 5, or 10 Daily Gavage Administrations of
100 mg/kg [¹⁴C]2,2-Bis(bromomethyl)-1,3-propanediol to Unfasted Male Fischer-344 Rats**

Percent Dose Recovered in Excreta and Tissues After 1, 5, or 10 Daily Administrations

Sample	% Dose Recovered Mean	% Dose Recovered SD	% Dose Recovered Mean	% Dose Recovered SD	% Dose Recovered Mean	% Dose Recovered SD
Number Daily Doses	1	1	5	5	10	10
Number of Animals	3	3	4	4	4	4
Adipose tissues	0.18	0.06	0.06	0.02	0.04	0.01
Bladder	0.02	0.01	0.01	0.01	0.00	0.00
Bladder urine	0.60	0.53	0.05	0.03	0.03	0.03
Blood	0.34	0.11	0.22	0.04	0.17	0.01
Brain	0.01	0.00	0.00	0.00	0.00	0.00
Cecum	0.26	0.07	0.11	0.04	0.03	0.00
Cecum contents	4.08	2.18	0.99	0.33	0.35	0.13
Cecum rinse	0.55	0.47	0.04	0.03	0.01	0.00
Heart	0.00	0.00	0.00	0.00	0.00	0.00
Intestine	1.78	0.95	0.49	0.16	0.14	0.05
Intestine contents	7.23	1.94	2.30	0.24	0.99	0.41
Kidneys	0.05	0.01	0.02	0.00	0.01	0.00
Liver	0.62	0.40	0.15	0.04	0.09	0.03
Lung	0.01	0.00	0.00	0.00	0.00	0.00
Muscle	0.34	0.29	0.27	0.09	0.18	0.02
Skin	0.25	0.06	0.12	0.02	0.08	0.01
Spleen	0.00	0.00	0.00	0.00	0.00	0.00
Stomach	0.01	0.01	0.01	0.00	0.00	0.00
Stomach contents	0.01	0.01	0.00	0.00	0.00	0.00
Testes	0.01	0.00	0.00	0.00	0.00	0.00
GI tract tissues	2.05	0.96	0.60	0.21	0.18	0.05
GI tract contents	11.86	3.98	3.33	0.42	1.35	0.43
Tissues total	16.05	5.72	4.63	0.70	1.97	0.49
Urine	53.40	9.43	30.39	5.75	19.13	6.21
Cage rinse	17.32	0.30	44.56	3.41	58.23	3.18
Feces	7.86	1.05	14.22	3.48	14.51	6.31
Excreta total	78.62	8.42	89.17	3.37	91.88	2.79
Total recovery	95.01	4.10	94.05	3.26	94.02	2.42

^aTime after administration of last dose. Multiple doses were administered once daily.

SD = standard deviation.

Male rats were administered 1, 5, or 10 doses of [¹⁴C]2,2-Bis(bromomethyl)-1,3-propanediol (100 mg/kg, 50 µCi/kg) by oral gavage every 24 hours. Animals were not fasted prior to administration(s).

Adipose tissues were pooled from kidney, mesentery, and thoracic adipose depots.

Total masses for adipose (11%), muscle (50%), and skin (16%) were calculated based on percent of body weight, as reported by Birnbaum, et al. (1980) Toxicology and Applied Pharmacology. 55: 342-352.