

**Distribution of Radioactivity 72 Hours Following Dermal Application of 80 mg/kg
[¹⁴C]2-Ethylhexyl-*p*-methoxycinnamate in Ethanol Vehicle to Male Mice – Group 12a**

Percent of Dose Recovered in Excreta

Sample	Collection Interval (h)	12a-01	12a-02	12a-03	Mean	SD
Urine	0 to 8	N.S.	N.S.	<0.005	<0.005	N.A.
Urine	8 to 24	7.56	7.39	10.20	8.38	1.58
Urine	24 to 48	9.67	10.90	13.00	11.2	1.68
Urine	48 to 72 ^a	11.4	9.40	8.09	9.63	1.67
Cage Rinse	72	9.43	5.90	3.84	6.39	2.83
-	Subtotal	38.1	33.6	35.1	35.6	2.3
Feces	0 to 24	0.42	0.35	0.35	0.37	0.04
Feces	24 to 48	3.15	0.50	1.53	1.73	1.34
Feces	48 to 72	1.05	0.90	0.37	0.77	0.36
-	Subtotal	4.62	1.75	2.25	2.87	1.53
CO ₂	0 to 4	BLOQ(0.05)	BLOQ(0.02)	BLOQ(0.06)	BLOQ	N.A.
CO ₂	4 to 8	BLOQ(0.05)	0.00	BLOQ(0.08)	BLOQ	N.A.
CO ₂	8 to 12	BLOQ(0.08)	BLOQ(0.05)	BLOQ(0.07)	BLOQ	N.A.
CO ₂	12 to 24	0.17	BLOQ(0.11)	0.14	0.16	0.02
CO ₂	24 to 48	0.37	0.26	0.22	0.28	0.08
CO ₂	48 to 72	0.34	0.25	0.20	0.26	0.07
-	Subtotal	0.88	0.51	0.56	0.65	0.20
Total	-	43.6	35.9	37.9	39.1	4.0

Distribution in Tissues (72 h)

Tissue ^b	ng-eq/g Mean	ng-eq/g SD	TBR Mean	TBR SD	Percent Recovery Mean	Percent Recovery SD
Adipose Perirenal	1110	327	4.21	2.45	0.10	0.04
Bladder	9970	6830	37.6	26.6	0.02	0.02
Muscle (hind leg)	BLOQ(105)	22	BLOQ(0.39)	0.22	BLOQ(0.05)	0.02
Skin (abdominal)	953	317	3.64	2.37	0.20	0.09
Blood	310	118	1.00	-	0.02	0.00
Plasma	548	125	1.84	0.28	0.02	0.00
Spleen	212	25	0.73	0.19	<0.005	N.A.
Liver	1350	304	4.6	1.26	0.08	0.02
Kidney	1730	264	5.97	1.58	0.04	0.01
Brain	48.0	7.0	0.16	0.04	<0.005	N.A.
Heart	175	48	0.58	0.13	<0.005	N.A.
Lung	341	61	1.16	0.23	<0.005	N.A.
Stomach	1110	269	3.95	1.58	0.01	0.00
Cecum	3770	3080	12.5	10.8	0.01	0.01
Large Intestine	958	404	3.07	0.83	0.01	0.00
Small Intestine	1960	100	7.03	2.84	0.06	0.02
Thyroid	BLOQ(383)	174	BLOQ(1.43)	0.84	BLOQ(<0.005)	N.A.
Testes	98.0	37.0	0.33	0.13	<0.005	N.A.
Pancreas	368	126	1.20	0.24	<0.005	N.A.
Total	-	-	-	-	0.59	0.17

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Disposition Summary – Percent of Dose Recovered

Sample	12a-01	12a-02	12a-03	Mean	SD
Absorbed	-	-	-	-	-
Urine ^c	38.1	33.6	35.1	35.6	2.3
Feces	4.62	1.75	2.25	2.87	1.53
CO ₂	0.88	0.51	0.56	0.65	0.2
Tissues	0.68	0.71	0.39	0.59	0.17
GI Tract Contents	0.40	0.14	0.16	0.23	0.14
Subtotal	44.6	36.7	38.5	39.9	4.2
Unabsorbed	-	-	-	-	-
Gauze	25.6	17.7	16.2	19.8	5.1
Appliance	11.2	22.0	32.3	21.8	10.6
Dose site skin rinse	1.88	1.83	2.22	1.98	0.21
Subtotal	38.7	41.5	50.7	43.6	6.3
Dose site	7.79	3.02	6.96	5.92	2.55
Total	91.2	81.2	96.1	89.5	7.6

^a Includes urine present in bladder at time of sacrifice.

^b Tissue weights for dispersed tissues were calculated based on body weight as follows: adipose 7.0%, muscle 38.4%, skin 16.5%, blood 4.9%, and plasma 2.8%.

^c Includes cage rinse.

N.S. = not significant and N.A. = not applicable.

BLOQ = Below Limit of Quantitation.

SD = standard deviation.

TBR = Tissue to blood ratio.

A metal mesh tissue capsule placed immediately after dose administration was used as the protective appliance.