

ADME NTP Study S0030 C.I. Pigment Red 3

Sex/Species: male F344 rats.

Vehicle: oral, corn oil.

CASRN 2425-85-6

No radiolabel was used. Concentration was determined by HPLC using a UV detector.

Studies Performed:

- Single 11.8 mg/kg oral gavage dose to rats with sacrifice 1, 4, or 24 hours postdose. (n = 3 per group)
- Vehicle control oral gavage dose to rats with sacrifice at 24 hours postdose. (n=1; control for low dose)

Only feces, stomach, stomach contents, intestines, and intestinal contents were tested.

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Table 1

Disposition of C. I. Pigment Red #3 in Rats Dosed Orally with 11.7 mg/kg

Rat No.	Dose (mg)	Percent of Dose			
		Gut Contents + Rinse	Feces	Tissues Collected	Total
1	2.15	105.9	<0.1	1.5	107.4
2	2.15	96.9	<0.1	1.8	98.7
3	1.96	95.1	<0.1	2.1	97.2
		99.3 ± 5.8 ^a		1.8 ± 0.3	101.1 ± 5.5
4	2.15	95.4	<0.1	1.9	97.3
5	1.96	77.4	<0.1	2.7	80.1
6	1.96	94.4	<0.1	1.3	95.7
		89.1 ± 10.1		2.0 ± 0.7	91.0 ± 9.5
7	2.15	39.1	22.3	0.3	61.7
8	1.96	4.3	40.2	0.3	44.8
9	1.96	7.1	36.2	0.3	43.6
		16.8 ± 19.3	32.9 ± 9.4	0.3 ± 0.0	50.0 ± 10.1

^aThe offset numbers are averages ± std. dev.

Rats 1-3, 4-6, and 7-9 were sacrificed 1, 4, and 24 hours postdose, respectively.