

M17: Bone Marrow Cellularity

Study Number: I10353

Test Compound: Benzo(a)pyrene

Date: 03 Sep 2024

DTTID: 103-005-002-000-1

CAS Number: 50-32-8

Time: 1:01:12 PM

Study Type: Immune screening

DTXSID: DTXSID2020139

Species/Strain: Mouse/B6C3F1/N

Females: Immunopath

	Treatment Groups								
	0 mg/kg	2 mg/kg	5 mg/kg	9 mg/kg	19 mg/kg	38 mg/kg	75 mg/kg	150 mg/kg	50 mg/kg CPS
Bone Marrow Cells (x10 ⁶)	11.798 ± 1.115[8]	12.076 ± 1.267[8]	11.575 ± 0.833[6]	11.649 ± 0.707[8]	11.550 ± 1.036[8]	9.950 ± 0.664[8]	10.921 ± 0.401[8]	10.295 ± 0.659[8]	4.370 ± 0.319[6]**

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LEGEND

Data are displayed as mean \pm SEM (N) unless otherwise noted.

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests. The positive control group (50 mg/kg CPS) was excluded from trend test.

Statistical analysis for the positive control group (50 mg/kg CPS) compared to the vehicle control group was performed using the Wilcoxon rank sum test.

Statistical significance for the control group indicates a significant trend test.

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group.

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

SD = Study Day

SEM = Standard Error of the Mean

CPS = Cyclophosphamide

Females from the vehicle control and treatment groups were removed on SD 28.

** END OF REPORT **