

Local Lymph Node Assay Screen with H22051

The Local Lymph Node Assay (LLNA) screen with H22051 [REDACTED] was conducted in female CBA/JHsd mice. Experimental details of the study are located in laboratory notebook E87092.

The test substance was prepared in 2:1 dimethylsulfoxide (DMSO)/acetone and administered topically to the dorsum of both ears of mice (6 per group) at dosages of 0% (DMSO/acetone vehicle), 1%, 10%, 25%, 50%, and 100%. An additional group of 6 female mice was dosed with 25% hexylcinnamaldehyde (HCA) as a positive control.

Clinical observations made on day 5 indicated alopecia in the neck area in 5 of 6 mice at the 100% concentration.

No statistically significant differences in the mean body weights or mean body weight gains were observed at any concentration. All cell proliferation measurements at all concentrations of the test substance produced no statistically significant differences. In addition, all stimulation indexes were less than 3.0 and no dose response was present. Under the conditions of this study, H22051 was not a sensitizer. It was also concluded that a 25% concentration of HCA produced a positive sensitization response in mice.

Work by: Charlene Smith 9/6/96
Charlene Smith
Toxicology Associate

Study Director: Gregory S. Ladics 9/6/96
Gregory S. Ladics, Ph.D.
Research Toxicologist
Cellular and Humoral Toxicology

Distribution:

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