

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

IMM20704

Study Gender:

Male

PWG Approval Date

See web page for date of PWG Approval

M15: Natural Killer Cell Activity

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 02/27/2020

Time Report Requested: 12:15:54

Lab: NTP

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Males: Study 4

Treatment Groups (mg/kg/day)

	0	156	312	625	1250	2500	1:10 dilution
NK Cell Activity (6.25:1)	2.64 ± 0.54 (8)	2.79 ± 0.47 (8)	2.63 ± 0.36 (8)	2.84 ± 0.45 (8)	3.84 ± 0.48 (8)	1.76 ± 0.75 (6)	-0.03 ± 0.31 (8) **
NK Cell Activity (12.5:1)	4.98 ± 0.78 (8)	4.46 ± 0.62 (8)	4.22 ± 0.32 (8)	4.79 ± 0.46 (8)	5.97 ± 0.64 (8)	3.67 ± 1.24 (6)	0.22 ± 0.54 (8) **
NK Cell Activity (25:1)	6.76 ± 1.03 (8)	6.58 ± 0.49 (8)	6.89 ± 0.48 (8)	7.47 ± 0.73 (8)	8.38 ± 0.71 (8)	4.88 ± 1.57 (6)	-0.12 ± 0.40 (8) **
NK Cell Activity (50:1)	11.08 ± 1.64 (8)	10.53 ± 0.92 (8)	11.51 ± 0.64 (8)	11.60 ± 1.00 (8)	13.96 ± 1.23 (8)	7.68 ± 2.34 (6)	0.14 ± 0.32 (8) **
NK Cell Activity (100:1)	17.64 ± 2.31 (8)	16.25 ± 1.63 (8)	17.02 ± 1.08 (8)	17.14 ± 1.25 (8)	19.33 ± 1.58 (8)	10.92 ± 3.10 (6)	0.06 ± 0.33 (8) **
NK Cell Activity (200:1)	23.32 ± 2.73 (8)	22.27 ± 1.44 (8)	24.15 ± 0.99 (8)	23.50 ± 1.40 (8)	27.15 ± 1.79 (8)	17.19 ± 4.01 (6)	0.56 ± 0.31 (8) **

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LEGEND

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

Data displayed as a mean of (effector cell:target cell ratio)

NK - Natural Killer

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests.

Statistical analysis for the positive control group compared to the vehicle control group was performed using the Kruskal-Wallis 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 $P \leq 0.01$

AAGM1 = Anti-Asialo GM1 (Rabbit) Antibody

**** END OF REPORT ****