

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

Study Gender:

PWG Approval Date

M14V: Mononuclear Phagocytic System Summary

Test Compound: Resveratrol

CAS Number: 501-36-0

IMM20704

Male

See web page for date of PWG Approval

Date Report Requested: 04/01/2020

Time Report Requested: 15:22:51

Lab: NTP

Study Number: IMM20704
Test Type: TOX
Route: Oral Gavage
Species/Strain: Mouse/B6C3F1/N

M14V: Mononuclear Phagocytic System Summary
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 04/01/2020
Time Report Requested: 15:22:51
Lab: NTP

Males: Study 7

Treatment Groups (mg/kg/day)

	0	156	312	625	1250	2500
% Kidney Uptake	2.2 ± 0.1 (7)	2.5 ± 0.3 (7)	3.2 ± 0.4 (8)	2.8 ± 0.4 (8)	2.5 ± 0.2 (8)	2.5 ± 0.5 (5)
Kidney CPM/mg Kidney	27 ± 1 (7)	32 ± 4 (7)	41 ± 5 (8)	36 ± 6 (8)	32 ± 2 (8)	32 ± 6 (5)
% Liver Uptake	25.8 ± 1.3 (7)	24.9 ± 0.7 (7)	22.9 ± 1.8 (8)	24.2 ± 1.6 (8)	25.8 ± 1.5 (8)	25.3 ± 2.7 (5)
Liver CPM/mg Liver	138 ± 6 (7)	135 ± 5 (7)	124 ± 11 (8)	135 ± 9 (8)	140 ± 8 (8)	132 ± 11 (5)
% Lung Uptake	1.7 ± 0.5 (7)	1.6 ± 0.2 (7)	1.8 ± 0.3 (8)	1.7 ± 0.2 (8)	1.9 ± 0.3 (8)	1.4 ± 0.2 (5)
Lung CPM/mg Lung	43 ± 8 (7)	42 ± 6 (7)	43 ± 7 (8)	46 ± 5 (8)	41 ± 6 (8)	38 ± 7 (5)
% Spleen Uptake	13.3 ± 1.8 (7)	13.3 ± 1.1 (7)	9.7 ± 1.4 (8)	12.8 ± 1.0 (8)	14.5 ± 1.2 (8)	12.0 ± 2.8 (5)
Spleen CPM/mg Spleen	1174 ± 135 (7)	1129 ± 100 (7)	855 ± 129 (8)	1030 ± 128 (8)	1147 ± 93 (8)	1005 ± 222 (5)
% Thymus Uptake	0.056 ± 0.018 (7)	0.049 ± 0.011 (7)	0.062 ± 0.006 (6)	0.067 ± 0.010 (8)	0.054 ± 0.013 (8)	0.051 ± 0.008 (5)
Thymus CPM/mg Thymus	7 ± 2 (7)	5 ± 1 (7)	7 ± 1 (6)	7 ± 1 (8)	7 ± 2 (8)	5 ± 1 (5)

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

M14V: Mononuclear Phagocytic System Summary

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/01/2020

Time Report Requested: 15:22:51

Lab: NTP

50 mg/kg MVE

% Kidney Uptake	1.6	± 0.1	(8) **
Kidney CPM/mg Kidney	21	± 1	(8) **
% Liver Uptake	4.2	± 0.4	(8) **
Liver CPM/mg Liver	20	± 2	(8) **
% Lung Uptake	3.9	± 0.4	(8) **
Lung CPM/mg Lung	111	± 9	(8) **
% Spleen Uptake	4.5	± 0.6	(8) **
Spleen CPM/mg Spleen	364	± 49	(8) **
% Thymus Uptake	0.177	± 0.018	(8) **
Thymus CPM/mg Thymus	19	± 1	(8) **

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

M14V: Mononuclear Phagocytic System Summary

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/01/2020

Time Report Requested: 15:22:51

Lab: NTP

LEGEND

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

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 $P \leq 0.01$

MVE = Maleic Vinyl Ether

**** END OF REPORT ****