

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

C Number:

Study Gender:

PWG Approval Date

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

IMM20704

Male

See web page for date of PWG Approval

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

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Males: Study 1

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	-0.2 ± 0.2	8	-0.2 ± 0.3	8	-0.4 ± 0.1	8	-0.6 ± 0.2	8	-0.3 ± 0.6	8	-0.8 ± 0.7	8
	8 - 15	1.1 ± 0.2	8	1.0 ± 0.3	8	2.2 ± 1.1	8	0.8 ± 0.2	8	-1.0 ± 0.9	8	0.4 ± 0.4	8
	15 - 22	1.3 ± 0.3	8	1.1 ± 0.4	8	-0.5 ± 1.2	8	0.2 ± 0.3	8	2.5 ± 0.4	8	0.2 ± 1.3	8
	22 - 29	0.4 ± 0.3	8	-0.1 ± 0.2	8	0.4 ± 0.1	8	0.6 ± 0.3	8	-0.9 ± 0.8	7	0.8 ± 0.5	7
	1 - 29	2.5 ± 0.4 *	8	1.8 ± 0.6	8	1.7 ± 0.4	8	1.0 ± 0.3	8	0.2 ± 0.8 *	7	1.7 ± 0.7	7

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Lab: NTP

Males: Study 1

Treatment Groups

Phase	Days	50 mg/kg CPS	
		Wt Gain (g)	N
SD	1 - 8	1.7 ± 0.3	8
	8 - 15	2.4 ± 0.8	8
	15 - 22	0.9 ± 0.9	8
	22 - 29	-0.8 ± 0.2	8
	1 - 29	4.1 ± 0.6	8

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

I04G: Mean Body Weight Gain
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Date Report Requested: 04/08/2020
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Males: Study 2

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.7 ± 0.2	8	0.7 ± 0.4	8	0.8 ± 0.2	8	0.4 ± 0.3	8	0.4 ± 0.2	8	0.9 ± 0.3	8
	8 - 15	-0.2 ± 0.1	8	-0.1 ± 0.3	8	0.1 ± 0.3	8	0.1 ± 0.3	8	-0.1 ± 0.3	8	-1.9 ± 1.1	8
	15 - 22	1.0 ± 0.2	8	0.7 ± 0.2	8	0.9 ± 0.2	8	0.7 ± 0.2	8	1.1 ± 0.1	8	1.5 ± 0.4	7
	22 - 29	1.0 ± 0.1 **	8	1.0 ± 0.3	8	0.9 ± 0.2	8	0.8 ± 0.3	8	-0.3 ± 0.4 **	8	-0.4 ± 0.4 **	7
	1 - 29	2.4 ± 0.4 **	8	2.3 ± 0.4	8	2.7 ± 0.4	8	2.1 ± 0.5	8	1.0 ± 0.4 *	8	0.4 ± 0.5 **	7

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

Males: Study 2

Treatment Groups

Phase	Days	50 mg/kg CPS	
		Wt Gain (g)	N
SD	1 - 8	0.8 ± 0.3	8
	8 - 15	1.1 ± 0.1	8
	15 - 22	1.6 ± 0.2	8
	22 - 29	-1.8 ± 0.3	8
	1 - 29	1.6 ± 0.5	8

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

I04G: Mean Body Weight Gain
Test Compound: Resveratrol
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Date Report Requested: 04/08/2020
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Males: Study 3

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.5 ± 0.1	8	0.8 ± 0.3	8	0.6 ± 0.2	8	0.3 ± 0.3	8	-0.0 ± 0.2	8	-0.1 ± 0.7	8
	8 - 15	0.5 ± 0.2	8	0.7 ± 0.1	8	1.1 ± 0.4	8	1.3 ± 0.4	8	1.2 ± 0.3	7	0.1 ± 1.0	8
	15 - 22	0.8 ± 0.2	8	0.6 ± 0.2	8	0.7 ± 0.2	8	0.6 ± 0.4	8	-0.3 ± 0.7	7	0.8 ± 0.3	8
	22 - 29	0.6 ± 0.2 **	8	0.5 ± 0.2	8	0.3 ± 0.2	8	0.6 ± 0.4	8	1.7 ± 0.3 *	7	1.6 ± 0.5 *	8
	1 - 29	2.5 ± 0.3	8	2.7 ± 0.3	8	2.7 ± 0.6	8	2.8 ± 0.4	8	2.5 ± 0.3	7	2.4 ± 0.8	8

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

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Lab: NTP

Males: Study 3

Treatment Groups

Phase	Days	50 mg/kg CPS	
		Wt Gain (g)	N
SD	1 - 8	0.5 ± 0.3	8
	8 - 15	2.2 ± 0.3	8
	15 - 22	1.3 ± 0.2	8
	22 - 29	-1.1 ± 0.4	7
	1 - 29	3.0 ± 0.4	7

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

I04G: Mean Body Weight Gain
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 04/08/2020
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Males: Study 4

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.1 ± 0.1	8	0.3 ± 0.1	8	0.1 ± 0.4	8	0.4 ± 0.2	8	-0.1 ± 0.1	8	-0.5 ± 0.6	7
	8 - 15	0.7 ± 0.2	8	0.6 ± 0.3	8	0.7 ± 0.1	8	0.5 ± 0.2	8	0.7 ± 0.1	8	0.6 ± 0.3	6
	15 - 22	0.9 ± 0.2 *	8	0.4 ± 0.2	8	0.3 ± 0.3	8	0.1 ± 0.4	8	0.1 ± 0.3	8	1.0 ± 0.8	6
	22 - 29	0.8 ± 0.1	8	1.5 ± 0.2	8	1.6 ± 0.2	8	1.3 ± 0.4	8	0.9 ± 0.4	8	0.4 ± 0.8	6
	1 - 29	2.5 ± 0.3	8	2.7 ± 0.5	8	2.7 ± 0.5	8	2.3 ± 0.5	8	1.5 ± 0.4	8	2.0 ± 0.5	6

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

Males: Study 4

Phase	Days	Treatment Groups (mg/kg/day)			
		50 mg/kg CPS		1:10 dilution AAGM1	
		Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.4 ± 0.3	8	-0.2 ± 0.4	8
	8 - 15	1.1 ± 0.1	7	0.8 ± 0.1	8
	15 - 22	0.8 ± 0.3	7	0.9 ± 0.1	8
	22 - 29	-0.3 ± 0.3	8	1.2 ± 0.2	8
	1 - 29	1.9 ± 0.6	8	2.8 ± 0.4	8

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

I04G: Mean Body Weight Gain
Test Compound: Resveratrol
CAS Number: 501-36-0

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Lab: NTP

Males: Study 5

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.2 ± 0.2	8	-0.7 ± 0.2	8	0.1 ± 0.2	8	-0.7 ± 0.4	8	-0.5 ± 0.3	8	0.2 ± 0.3	8
	8 - 15	0.7 ± 0.3	8	0.8 ± 0.2	8	1.0 ± 0.2	8	0.4 ± 0.2	8	0.7 ± 0.2	8	0.1 ± 0.3	8
	15 - 22	0.3 ± 0.2	8	0.7 ± 0.1	8	0.5 ± 0.2	8	0.7 ± 0.1	8	0.6 ± 0.3	8	0.6 ± 0.4	8
	22 - 29	1.2 ± 0.1	8	0.8 ± 0.3	8	0.8 ± 0.2	8	0.3 ± 0.2	8	0.4 ± 0.4	8	0.8 ± 0.4	8
	1 - 29	2.4 ± 0.3	8	1.7 ± 0.5	8	2.4 ± 0.3	8	0.8 ± 0.3 *	8	1.3 ± 0.5	8	1.6 ± 0.3	8

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

Males: Study 5

Treatment Groups

Phase	Days	50 mg/kg CPS	
		Wt Gain (g)	N
SD	1 - 8	-0.2 ± 0.2	8
	8 - 15	0.8 ± 0.4	8
	15 - 22	1.4 ± 0.4	8
	22 - 29	0.0 ± 0.3	8
	1 - 29	2.0 ± 0.2	8

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

Males: Study 6

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	-0.1 ± 0.4	8	0.8 ± 0.2	8	0.4 ± 0.2	8	0.7 ± 0.3	8	0.3 ± 0.2	8	0.6 ± 0.3	7
	8 - 15	1.4 ± 0.5	8	1.0 ± 0.1	8	0.8 ± 0.2	8	0.3 ± 0.5	8	1.0 ± 0.2	8	0.5 ± 0.8	7
	15 - 22	0.9 ± 0.2 *	8	0.8 ± 0.2	8	0.7 ± 0.3	8	1.3 ± 0.3	8	1.0 ± 0.3	8	0.8 ± 1.1	7
	22 - 29	-0.0 ± 0.2	8	-0.5 ± 0.2	8	0.1 ± 0.3	8	-0.2 ± 0.1	8	-0.3 ± 0.2	8	-0.5 ± 0.3	6
	1 - 29	2.1 ± 0.3	8	2.1 ± 0.4	8	2.0 ± 0.3	8	2.2 ± 0.5	8	2.0 ± 0.4	8	2.6 ± 0.6	6

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

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Lab: NTP

Males: Study 6

Treatment Groups

Phase	Days	50 mg/kg CPS	
		Wt Gain (g)	N
SD	1 - 8	0.7 ± 0.2	8
	8 - 15	1.8 ± 0.3	8
	15 - 22	1.6 ± 0.4	8
	22 - 29	-1.4 ± 0.4	8
	1 - 29	2.6 ± 0.5	8

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

I04G: Mean Body Weight Gain
Test Compound: Resveratrol
CAS Number: 501-36-0

Date Report Requested: 04/08/2020
Time Report Requested: 13:56:02
Lab: NTP

Males: Study 7

Treatment Groups (mg/kg/day)

Phase	Days	0		156		312		625		1250		2500	
		Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N	Wt Gain (g)	N
SD	1 - 8	0.6 ± 0.3	8	0.8 ± 0.3	8	1.0 ± 0.3	8	0.4 ± 0.3	8	0.8 ± 0.3	8	1.3 ± 0.1	8
	8 - 15	0.6 ± 0.2	8	0.4 ± 0.1	8	0.4 ± 0.1	8	0.3 ± 0.3	8	0.4 ± 0.3	8	0.1 ± 0.2	8
	15 - 22	0.6 ± 0.3	8	0.6 ± 0.3	8	-0.3 ± 0.6	8	0.4 ± 0.3	8	0.6 ± 0.2	8	0.5 ± 0.2	7
	22 - 29	1.0 ± 0.1	8	0.8 ± 0.1	8	1.1 ± 0.4	8	1.2 ± 0.2	8	1.0 ± 0.1	8	0.4 ± 0.5	7
	1 - 29	2.8 ± 0.5	8	2.6 ± 0.5	8	2.2 ± 0.3	8	2.3 ± 0.5	8	2.8 ± 0.4	8	2.4 ± 0.6	7

Study Number: IMM20704

Test Type: TOX

Route: Oral Gavage

Species/Strain: Mouse/B6C3F1/N

I04G: Mean Body Weight Gain

Test Compound: Resveratrol

CAS Number: 501-36-0

Date Report Requested: 04/08/2020

Time Report Requested: 13:56:02

Lab: NTP

Males: Study 7

Treatment Groups

Phase	Days	50 mg/kg MVE	
		Wt Gain (g)	N
SD	1 - 8	1.4 ± 0.2	8
	8 - 15	1.1 ± 0.2	8
	15 - 22	0.7 ± 0.3	8
	22 - 29	0.7 ± 0.2	8
	1 - 29	3.8 ± 0.5	8

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

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LEGEND

Data are displayed as mean \pm SEM

SD – Study Day

Statistical analysis of weight data performed by Jonckheere (trend) and Williams or Dunnett (pairwise) tests.

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

Change in N for Study 4 for study day 15 in the 50 mg/kg CPS group is due to one animal's body weight being excluded as an outlier.

CPS = Cyclophosphamide

AAGM1 = Anti-Asialo GM1 (Rabbit) Antibody

MVE = Maleic Vinyl Ether

**** END OF REPORT ****