

Supplemental tables 1a Prevention-protocol pulmonary histology assessment

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
1 Vehicle	1	0	0	2
	2	2	1	4
	3	1	1	4
	4	0	0	4
	5	1	1	4
	6	2	1	4
	7	1	1	4
Mean score	5.42			

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
2 PT2567 100mg /kg	1	0	0	2
	2	1	0	3
	3	1	0	3
	4	0	0	2
	5	0	0	3
	6	1	1	4
	7	0	0	3
	8	1	1	4
	9	0	0	3
Mean Score	3.66			

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
3 PT2567 300mg /kg	1	0	0	2
	2	0	1	4
	3	1	1	3
	4	0	0	2
	5	0	0	2
	6	0	0	2
	7	0	0	2
	8	0	0	2
	9	0	0	1
Mean Score	2.55			

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
4 Sildena fil 30mg /kg	1	0	0	2
	2	0	0	3
	3	1	0	4
	4	0	0	3
	5	0	0	4
	6	1	1	4
	7	2	0	4
	8	0	1	3
	9	1	0	4
	10	0	0	3
Mean Score	4.00			
5 Nx Control	1	0	0	0
	2	0	0	0
Mean Score	0			

The number represents the grade (0=normal, 1=minimal, 2=mild, 3=moderate, 4=marked) for each lesion/finding

Supplemental tables 1b Intervention-protocol pulmonary histology assessment

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
1 Nx- Vehicle	1	0	0	0
	2	0	0	0
	3	0	0	1
	4	1	0	1
	5	0	1	0
	6	0	0	0
	Mean score	0.66		

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
2 Su/Hx 3W	1	3	2	2
	2	2	1	2
	3	2	2	3
	4	2	1	2
	5	2	1	2
	6	3	2	3
	7	2	2	2
	8	2	2	2
	9	3	3	3
	10	3	2	3
	Mean Score	5.7		

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
3 Su/Hx Vehicle	1	3	3	4
	2	3	3	2
	3	4	3	4
	4	2	2	3
	5	4	3	2
	6	2	2	2
	7	4	3	4
	8	2	3	4
	9	2	2	3
	10	3	3	4
	Mean Score	8.9		

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
4 Su/Hx PT2567 100mg/kg 9	1	2	1	1
	2	1	1	1
	3	1	1	1
	4	2	2	1
	5	1	1	2
	6	0	1	1
	7	1	1	1
	8	2	1	2
	9	3	2	3
	10	3	3	4
	Mean Score	4.7		

Group	Animal	Perivascular/vascular inflammation	Perivascular fibrosis	Smooth muscle hypertrophy
5 Su/H Sildenafil 30mg/kg	1	2	2	2
	2	2	1	1
	3	4	2	3
	4	3	2	2
	5	2	2	3
	6	2	2	2
	7	2	2	2

	8	2	1	1
	9	1	1	2
	10	3	2	2
	Mean Score	5.9		

The number represents the grade (0=normal, 1=minimal, 2=mild, 3=moderate, 4=marked) for each lesion/finding