

Supplemental Table 1. Vehicle control data for measured parameters in cynomolgus monkey cardiovascular study.

Endpoint	Time Bin Postdose (h)			
	0.75-5.5	7.25-9.0	9.25-16.0	16.25-20.0
Systolic Blood Pressure (mmHg)	118.87 ± 1.68 (8)	118.17 ± 1.94 (8)	109.95 ± 1.50 (8)	110.6 ± 1.62 (8)
Diastolic Blood Pressure (mmHg)	75.07 ± 2.54 (8)	74.12 ± 2.62 (8)	68.41 ± 2.46 (8)	69.96 ± 2.53 (8)
Heart Rate (beats/min)	137.59 ± 5.01 (8)	134.96 ± 3.45 (8)	113.89 ± 3.09 (8)	110.72 ± 3.19 (8)
QTc Interval (ms)	281.24 ± 10.32 (8)	285.75 ± 10.11 (8)	289.12 ± 8.95 (8)	286.14 ± 9.60 (8)

Supplemental Table 2. Fold changes in organ weight versus vehicle control following administration of nirmatrelvir in a 2-week rat toxicity study

Study Phase	Dosing	Organ	Male					Female				
			Dose (mg/kg) (q.d.)					Dose (mg/kg) (q.d.)				
			0	0 ^a	60	200	1000	0	0 ^a	60	200	1000
			Mean	Fold Change Versus Vehicle				Mean	Fold Change Versus Vehicle			
	Liver	Absolute (g)	7.9507	1.03x	1.02x	1.09x	1.36x [#]	5.2167	0.95x	0.95x	1.07x	1.59x [#]
		Ratio to body weight	2.8291	1.03x	1.03x	1.10x	1.35x [#]	2.8120	0.98x	1.02x	1.11x	1.54x [#]
		Ratio to brain weight	4.1604	1.01x	1.00x	1.09x	1.35x [#]	2.9234	0.92x	0.94x	1.06x	1.54x [#]
	Heart	Absolute (g)	0.9171	1.02x	0.98x	0.99x	0.98x	0.7024	0.96x	0.93x	0.92x	0.88x [#]
		Ratio to body weight	0.3264	1.03x	0.99x	1.00x	0.98x	0.3807	0.99x	1.00x	0.95x	0.85x [#]
		Ratio to brain weight	0.4807	1.01x	0.96x	0.99x	0.97x	0.3951	0.92x	0.92x	0.91x	0.85x [#]
	Brain ^b	Absolute (g)	1.9140	1.01x	1.02x	1.00x	1.01x	1.7830	1.03x	1.01x	1.01x	1.03x
		Ratio to body weight	0.6846	1.01x	1.03x	1.01x	1.01x	0.9630	1.08x	1.09x	1.05x	1.00x
	Body weight ^b	Absolute (g)	281.29	1.00x	0.99x	0.99x	1.00x	185.49	0.96x	0.93x	0.96x	1.03x
Recovery	Liver	Absolute (g)	9.2806	0.98x	0.92x	0.96x	0.91x	5.3062	1.01x	1.03x	1.14x	1.14x
		Ratio to body weight	2.7554	1.00x	0.94x	1.01x	1.06x	2.8661	0.97x	0.97x	1.00x	1.07x

		Ratio to brain weight	4.5582	0.97x	0.94x	0.95x	0.94x	2.9576	0.98x	0.99x	1.09x	1.08x
	Heart	Absolute (g)	1.0302	1.01x	0.97x	0.99x	0.87x	0.6960	1.10x	1.10x	1.08x	1.02x
		Ratio to body weight	0.3057	1.04x	1.01x	1.06x	1.02x	0.3769	1.04x	1.04x	0.95x	0.96x
		Ratio to brain weight	0.5057	1.00x	0.99x	0.99x	0.90x	0.3873	1.06x	1.06x	1.04x	0.97x
	Brain ^b	Absolute (g)	2.0326	1.02x	0.98x	1.01x	0.97x	1.8008	1.03x	1.04x	1.04x	1.05x
		Ratio to body weight	0.6098	1.04x	1.01x	1.06x	1.13x	0.9720	0.98x	0.98x	0.92x	0.99x
	Body weight ^b	Absolute (g)	335.94	0.98x	0.98x	0.95x	0.85x	185.94	1.05x	1.06x	1.13x	1.06x

^aDenotes MBTE control. ^bIncluded for evaluating organ to brain weight and body weight ratios. [#]Denotes nirmatrelvir-related finding.

Supplemental Table 3. Fold changes in organ weight versus vehicle control following administration of nirmatrelvir in a 1-month rat toxicity study

Study Phase			Male				Female			
			Dose (mg/kg) (q.d.)				Dose (mg/kg) (q.d.)			
			0	60	200	1000	0	60	200	1000
		Mean	Fold Change Versus Vehicle			Mean	Fold Change Versus Vehicle			
Dosing	Liver	Absolute (g)	7.7336	1.07x [#]	1.14x [#]	1.49x [#]	4.8982	1.07x [#]	1.25x [#]	1.83x [#]
		Ratio to body weight	2.3772	1.08x [#]	1.15x [#]	1.53x [#]	2.5051	1.08x [#]	1.21x [#]	1.75x [#]
		Ratio to brain weight	3.9927	1.07x [#]	1.14x [#]	1.46x [#]	2.6699	1.12x [#]	1.24x [#]	1.79x [#]
	Heart	Absolute (g)	0.9307	0.98x	0.99	0.95	0.6736	0.98x	1.08x	0.98x
		Ratio to body weight	0.2861	1.00x	1.01x	0.98x	0.3450	0.98x	1.06x	0.94x
		Ratio to brain weight	0.4810	0.97x	0.99x	0.93x	0.3669	1.02x	1.08x	0.96x

	Brain ^a	Absolute (g)	1.9378	1.00x	1.00x	1.02x	1.8369	0.96x	1.00	1.02x
		Ratio to body weight	0.5973	1.02x	1.01x	1.05x	0.9433	0.96x	0.97	0.97x
	Body weight ^a	Absolute (g)	325.48	0.98x	0.98x	0.97x	195.41	1.00x	1.03x	1.05x
Recovery	Liver	Absolute (g)	8.4948	1.08x	0.94x	1.18x [#]	5.4952	1.08x	1.05x	1.00x
		Ratio to body weight	2.4421	1.03x	1.01x	1.11x [#]	2.5320	1.05x	1.05x	1.04x
		Ratio to brain weight	4.2337	1.08x	0.96x	1.20x [#]	3.0316	1.04x	1.01x	0.97x
	Heart	Absolute (g)	0.9468	1.08x	1.04x	1.08x	0.7596	1.08x	0.96x	0.91x
		Ratio to body weight	0.2720	1.04x	1.12x	1.03x	0.3534	1.04x	0.96x	0.94x
		Ratio to brain weight	0.4719	1.08x	1.06x	1.10x	0.4183	1.05x	0.93x	0.89x
	Brain ^a	Absolute (g)	2.0058	1.00x	0.98x	0.98x	1.8158	1.04x	1.04x	1.03x
		Ratio to body weight	0.5773	0.96x	1.05x	0.94x	0.8438	1.00x	1.04x	1.07x
	Body weight ^a	Absolute (g)	347.94	1.05x	0.94x	1.06x	216.78	1.03x	0.99x	0.96x

^aIncluded for evaluating organ to brain weight and body weight ratios. [#]Denotes nirmatrelvir-related finding.