Patient ID	Age	Sex	Race	BMI	Hypertension	Congestive Heart Failure	Myocardial Infarction	Stroke	Peripheral Vascular Disease	Diabetes	Hyperlipidemia	Smoker	Cancer	Chemo	Ca Blocker	Beta Blocker	Ace Inhibitors	Nitrates	Hypertensive meds	Statin	Cholesterol meds	Insulin	Diabetic meds
14008	50	F	African American	26.6																			
14026	71	M	Caucasian	26.1							1		1										
14058	33	F	Unknown	26																			
14070	47	F	Caucasian	26																			
14084	68	F	Caucasian	26.2							1		1										
14085	58	F	Caucasian	36.2	1								1										
14086	68	F	Caucasian	28	1						1		1										
14089	51	F	Caucasian	48.6																			
14096	49	F	Caucasian	31.5																			
14144	38	F	African American	34.3																			
14147	37	F	Caucasian	23.7																			
14149	31	F	Caucasian	42.4						1													
14277	34	F	Caucasian	25.5																			
14281	34	F	Caucasian	34.7																			
14282	37	F	Caucasian	22.8																			
14302	52	F	Caucasian	25.5																			
14335	38	F	Caucasian	26																			
14336	39	F	Caucasian	25																			
14373	31	F	Caucasian	26.3																			
14378	53	F	Caucasian	23.6																			
14387	39	F	Caucasian	25.8																			
14399	43	F	Caucasian	28.1																			
14428	33	F	Caucasian	23.3																			
14447	44	F	Caucasian	18.9																			
14456	46	F	Caucasian	22.1																			
14533	22	M	Caucasian	26.8																			
14559	49	F	Caucasian	24.5																			
14564	67	F	Hispanic	25.1																			
14598	38	F	African American	37.3	1																		
14608		F	Hispanic	31.7																			
14663	41	F	Caucasian	24.9																			
14692	45	F	Caucasian	26.1																			
14702	66	F	African American	37.6																			
15277	39	F	Caucasian	30.9																			
15282	55	M	Caucasian	49																			
15372	50	F	Caucasian	29.2																			
15381	34	F	Caucasian	25																			
15382	42	M	Asian/Island Pacific	38.4																			
15384	36	F	Caucasian	30.5																			
15421	55	F	Caucasian	34.7	1								1										
15432	68	F	Not determined	28.2									1										
15452	42	F	Caucasian	34.5																			
15455	39	F	Caucasian	44.6	1																		
15495	45	F	Caucasian	27.5																			
15496	46	F	Caucasian	29.6																			
15514	59	F	Caucasian	25	1																		
15572	27	F	Caucasian	30.6																			
15577	45	F	Caucasian	41.6						1			1										
15580	58	F	African American	36.5							1												
15585	39	F	Caucasian	23.6																			
15653	21	F	Caucasian	41.5																			
15675	39	F	Caucasian	29																			
15677	37	F	Hispanic	35.9																			
15686	21	F	Caucasian	31.9																			
15698	43	F	Caucasian	36.5	1																		
15734	35	F	Not determined	34.7	1											1							
15737	35	F	Caucasian	32.5																			
15845	35	F	Hispanic	34																			
15859	34	F	African American	32	1							1											
15869	39	F	Caucasian	28.6							1												
15887	30	F	African American	20.1																			

15901	36	F	Caucasian	34																				
15906	54	F	Caucasian	19.7																				
15936	33	F	Caucasian	43.4																				
15961	60	F	Caucasian	27																				
C224	53	F	Caucasian	24.1									1											
C240	18	F	African American	32.8																				
C257	48	F	Caucasian	34.8																				
C264	66	F	Caucasian	32.8	1								1	1					1					
C339	45	F	Caucasian	24.6																				
C360	36	F	African American	27.9																				
C361	38	F	Caucasian	21.3																				
C426	63	F	Caucasian	46.4	1																			
C428	46	M	Caucasian	31.2							1													
C473	45	F	Caucasian	21.4									1											
C487	54	M	African American	39.5	1														1					
C495	64	F	Caucasian	23							1										1			
C496	32	F	Caucasian	64.4																				
C509	66	F	Caucasian	23.1							1		1											
C536	25	F	Caucasian	20.7																				
C585	54	M	Caucasian	26.4							1										1			
C591	19	F	Caucasian	28.7																				
C612	36	F	African American	31.6																				
C627	45	F	African American	31.5																				
C640	57	F	Caucasian	26.5																				
C672	39	M	Caucasian	35.3																				
C687	38	F	Caucasian	51																				
14097	50	F	Caucasian	26.3																				
14547	65	F	Caucasian	29.6																				
15304	43	M	Caucasian	29.5																				
15328	59	F	Caucasian	30.6																				
C165	33	M	Caucasian	27.3								1												
15310	38	F	Caucasian	28.5							1										1			
15298	42	M	Caucasian	29.4																	1			
14482	38	F	Caucasian	24.1																				
16009	34	F	Caucasian	31.2																				
16029	41	F	Black	36																				
G4UD65KH76	50	F	Other	34.4	1																			
G5GD19HR73	59	F	Caucasian	57.6	1													1						
C845	28	M	Caucasian	32.6												1								
C846	44	F	Caucasian	21.5									1											
C840	31	F	Caucasian	25.2																				
16152	38	F	Caucasian	34.5																				
16174	49	F	Caucasian	38									1											
C822	41	F	Caucasian	31.2									1											
14630	46	F	Caucasian	26.6							1		1											
15572	27	F	Caucasian	30.58																				
15577	45	F	Caucasian	41.6						1			1											
15580	58	F	Africa Am	36.5							1													
15585	39	F	Caucasian	23.55																				
C426	63	F	Caucasian	46.4	1													1		1				
C428	46	M	Caucasian	31.2							1													
15675	39	F	Caucasian	29																				
14553	22	M	Caucasian	26.8																				
14660	30	F	Africa Am	45	1																			
14663	41	F	Caucasian	24.9																				
14691	68	F	Caucasian	27.9							1													
14564	67	F	Hispanic	25.1																				
14567	42	F	Caucasian	25.6																				
14576	39	F	Caucasian	48.1																				
C834	43	F	Africa Am	52.7																				
15553	50	F	Caucasian	34.93																				
C837	38	F	Caucasian	30.6								1												

Experiment:	non-CAD vessels (untreated) were subject to FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
February 7, 2019	11134	14008		298.2	253	298.2	184	184.4	165	172	180	171	226		290	184.4
March 8, 2019	11295	14058		162.6	107	145	82.6	86.5	92.4	110	125.1	134	139.7		148	86.5
March 15, 2019	11318	14070		205.3	115.8	205.3	103	104.1	115.3	141.5	160.8	174.3	176		187.7	104.1
March 27, 2019	11368	14084		91.2	85.4	90.6	36.3	39.2	52.6	70.3	83.6	90	77.8		90.6	39.2
March 27, 2019	11373	14085		91.3	53.2	91.3	50.3	48.6	53.3	74.6	79.8	81.3	87.9		83.2	48.6
March 28, 2019	11384	14086		90.4	65.1	90.4	40.2	35.8	43.7	48.7	54.4	87.7	85.1		91.2	35.8
March 29, 2019	11387	14089		69.6	61.4	60.2	32.2	36.8	42.1	43.3	48	52	49.7		69.6	36.8
March 29, 2019	11388	14089		216.2	179.2	216.2	118.5	113.7	112.1	165.5	189.1	195.4	190.8		195.4	113.7
March 28, 2019	11382	14089		211.9	125.7	211.9	83.1	83.1	87	95.8	94.3	90.4	66.3		177.4	83.1
April 4, 2019	11412	14096		148.5	127.5	136.3	87.7	85.4	100.6	117.9	124	130.4	148.5		146.8	85.4
April 23, 2019	11522	14026		132.7	81.3	132.7	64.9	69	76.6	107.6	120.5	108.8	130.4		134.5	69

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
2/7/19	11134	14008				0.00%	38.3%	38.2%	**-10.5%**	**-6.7%**	**-2.4%**	**-7.3%**	**36.6%**	298	92.8%	38.3%
3/8/19	11295	14058				10.82%	49.2%	46.8%	**7.8%**	**30.9%**	**50.7%**	**62.4%**	**69.9%**	163	80.8%	49.2%
3/15/19	11318	14070				0.00%	49.8%	49.3%	**11.1%**	**37.0%**	**56.0%**	**69.4%**	**71.0%**	205	82.6%	49.8%
3/27/19	11368	14084				0.66%	60.2%	57.0%	**25.8%**	**59.8%**	**85.4%**	**97.7%**	**74.2%**	91	98.8%	60.2%
3/27/19	11373	14085				0.00%	44.9%	46.8%	**11.0%**	**60.9%**	**73.1%**	**76.6%**	**92.0%**	91	81.0%	46.8%
3/28/19	11384	14086				0.88%	55.9%	60.7%	**14.3%**	**23.3%**	**33.6%**	**93.7%**	**89.0%**	91	100.0%	60.7%
3/29/19	11387	14089				13.51%	53.7%	47.1%	**16.2%**	**19.8%**	**34.1%**	**46.3%**	**39.3%**	70	100.0%	53.7%
3/29/19	11388	14089				0.00%	45.2%	47.4%	**-1.4%**	**50.5%**	**73.6%**	**79.7%**	**75.2%**	216	79.7%	47.4%
3/28/19	11382	14089				0.00%	60.8%	60.8%	**3.0%**	**9.9%**	**8.7%**	**5.7%**	**-20.2%**	212	73.2%	60.8%
4/4/19	11412	14096				8.22%	40.9%	42.5%	**24.1%**	**51.5%**	**61.2%**	**71.3%**	**100.0%**	149	97.3%	42.5%
4/23/19	11522	14026				1.34%	51.7%	48.7%	**11.6%**	**58.9%**	**78.6%**	**60.8%**	**93.7%**	135	100.0%	51.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with DMSO (15uL in 20ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response							Other		
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
November 23, 2021	14241	15372		168	133	162.0	87	89	102	118	132	149	151		163	89
December 2, 2021	14248	15381		119	101	112.0	52	54	56	67	71	86	94		119	54
January 14, 2022	14316	15421		156	121	58	61	61	68	88	128	141	149		154	61
January 18, 2022	14319	C240		274	189	274	141	141	147	168	182	216	253		293	141
February 25, 2022	14424	15452		221	130	216	85	83	75	89	148	174	206		228	83

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
11/23/21	14241	15372			3.57%	48.2%	47.0%	**16.5%**	**36.7%**	**54.4%**	**75.9%**	**78.5%**	168	93.7%	48.2%
12/2/21	14248	15381			5.88%	56.3%	54.6%	**3.1%**	**20.0%**	**26.2%**	**49.2%**	**61.5%**	119	100.0%	56.3%
1/14/22	14316	15421			62.82%	60.9%	60.9%	**7.4%**	**28.4%**	**70.5%**	**84.2%**	**92.6%**	156	97.9%	60.9%
1/18/22	14319	C240			6.48%	51.9%	51.9%	**3.9%**	**17.8%**	**27.0%**	**49.3%**	**73.7%**	293	100.0%	51.9%
2/25/22	14424	15452			5.26%	62.7%	63.6%	**-9.6%**	**4.1%**	**44.8%**	**62.8%**	**84.8%**	228	100.0%	63.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with DMSO (15uL in 20ml) along with L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
January 14, 2022	14316	15421		156	121	156.0	77	72	70	75	76	100	100		153	72
Feb 25,2022	14424	15452		221	130	217	120	118	101	150	198	198	191		221	118
April 7, 2022	14446	15495		204	90	200	89	90	55	62	62	69	64		204	90
April 8, 2022	14526	15496		130	96	130	53	52	43	32	36	36	36		115	52
April 20, 2022	14547	C339		143	124	125	71	67	63	63	70	74	78		132	67
April 21, 2022	14552	15514		187	63	179	91	88	74	74	75	75	80		187	88

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
1/14/22	14316	15421				0.00%	50.6%	53.8%	**-2.8%**	**3.6%**	**4.8%**	**33.3%**	**33.3%**	156	96.4%	53.8%
Feb 25,2022	14424	15452				1.81%	45.7%	46.6%	**-14.4%**	**31.1%**	**77.7%**	**77.7%**	**70.9%**	221	100.0%	46.6%
4/7/22	14446	15495				1.96%	56.4%	55.9%	**-38.9%**	**-31.1%**	**-31.1%**	**-23.3%**	**-28.9%**	204	100.0%	56.4%
4/8/22	14526	15496				0.00%	59.2%	60.0%	**-17.3%**	**-38.5%**	**-30.8%**	**-30.8%**	**-30.8%**	130	80.8%	60.0%
4/20/22	14547	C339				12.59%	50.3%	53.1%	**-6.0%**	**-6.0%**	**3.9%**	**9.2%**	**14.5%**	143	85.5%	53.1%
4/21/22	14552	15514				4.28%	51.3%	52.9%	**-15.9%**	**-15.9%**	**-14.8%**	**-14.8%**	**-9.1%**	187	100.0%	52.9%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with DMSO (15uL in 20ml) along with Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
July 28, 2023	15775	C822		342	289	330	104	108	115	124	146	162	184		335	108
July 29, 2023	15842	16152		178	81	178	66	66	66	72	80	80	78		171	66
July 29, 2023	15842	16152		178	81	178	110	110	115	120	120	164	176		176	110
August 11, 2023	15879	C834		214	134	211	140	140	147	160	174	180	193		202	140
August 15, 2023	15880	C837		270	180	270	109	112	95	110	114	215	225		262	112

% Max Dilation Calculated														
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
7/28/23	15775	C822			3.51%	69.6%	68.4%	**3.0%**	**6.8%**	**16.2%**	**23.1%**	**32.5%**	342	97.0%	69.6%
7/29/23	15842	16152			0.00%	62.9%	62.9%	**0.0%**	**5.4%**	**12.5%**	**12.5%**	**10.7%**	178	93.8%	62.9%
7/29/23	15842	16152			0.00%	38.2%	38.2%	**7.4%**	**14.7%**	**14.7%**	**79.4%**	**97.1%**	178	97.1%	38.2%
8/11/23	15879	C834			1.40%	34.6%	34.6%	**9.5%**	**27.0%**	**45.9%**	**54.1%**	**71.6%**	214	83.8%	34.6%
8/15/23	15880	C837			0.00%	59.6%	58.5%	**-15.2%**	**-1.8%**	**1.3%**	**65.2%**	**71.5%**	270	94.9%	59.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with MeOH (900uL in 20ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
February 3, 2023	15342	15887		126	106	123	50	47	57	49	79	84	100		124	47
February 16, 2023	15348	15906		300	201	300	199	197	203	213	218	237	267		300	197
February 28, 2023	15450	C687		272	190	272	186	183	230	231	232	222	254		266	183
March 6, 2023	15453	15936		252	141	252	110	119	141	153	161	192	221		227	119
March 23, 2023	15458	15961		160	93	155	75	73	96	140	150	158	160		141	73

% Max Dilation Calculated															
	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
2/3/23	15342	15887				2.38%	60.3%	62.7%	**12.7%**	**2.5%**	**40.5%**	**46.8%**	**67.1%**	126	97.5%	62.7%
2/16/23	15348	15906				0.00%	33.7%	34.3%	**5.8%**	**15.5%**	**20.4%**	**38.8%**	**68.0%**	300	100.0%	34.3%
2/28/23	15450	C687				0.00%	31.6%	32.7%	**52.8%**	**53.9%**	**55.1%**	**43.8%**	**79.8%**	272	93.3%	32.7%
3/6/23	15453	15936				0.00%	56.3%	52.8%	**16.5%**	**25.6%**	**31.6%**	**54.9%**	**76.7%**	252	81.2%	56.3%
3/23/23	15458	15961				3.13%	53.1%	54.4%	**26.4%**	**77.0%**	**88.5%**	**97.7%**	**100.0%**	160	78.2%	54.4%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with MeOH (900uL in 20ml) + L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
January 12, 2023	15282	15859	0.2	130	114	121.0	58	60	58	59	66	71	72		123	60
February 3, 2023	15342	15887		126	106	123	55	52	48	45	45	55	57		126	52
March 23, 2023	15458	15961		160	93	160	93	90	78	65	74	86	117		160	90
May 18, 2023	15595	16029		158	88	158	69	69	58	56	56	56	56		150	69

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
1/12/23	15282	15859			6.92%	55.4%	53.8%	-3.3%	-1.7%	8.6%	15.7%	17.1%	130	90.0%	55.4%
2/3/23	15342	15887			2.38%	56.3%	58.7%	-7.7%	-13.5%	-13.5%	4.1%	6.8%	126	100.0%	58.7%
3/23/23	15458	15961			0.00%	41.9%	43.8%	-13.3%	-27.8%	-17.8%	-4.4%	38.6%	160	100.0%	43.8%
5/18/23	15595	16029			0.00%	56.3%	56.3%	-15.9%	-18.8%	-18.8%	-18.8%	-18.8%	158	91.0%	56.3%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
September 5, 2019	12066	14277		205.4	49.8	205.4	75.1	75.9	75.9	114.6	147.9	176.6	182.4		182	75.9
September 5, 2019	12067	14277		173.6	59.8	125.3	55.2	58.2	81.2	137.2	159.8	166.7	171.3		173.6	58.2
September 6, 2019	12073	14281		239	141.4	228.7	149.4	146.7	194.3	218.8	214.2	218.4	222.2		223.4	146.7
September 6, 2019	12074	14282		288.2	62.6	288.2	126.3	126.3	129	201.5	221	245	272.1		279.8	126.3
September 6, 2019	12075	14282		220	165	212	140	133	181	217	217	217	217		220	133.3
November 23, 2021	14242	15372		169	137	156	99	100	125	140	149	150	147		165	100
December 2, 2021	14247	15381		161	121	155	80	83	139	153	156	161	159		160	83

% Max Dilation Calculated															
	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
9/5/19	12066	14277				0.00%	63.4%	63.0%	**0.0%**	**29.9%**	**55.6%**	**77.8%**	**82.2%**	205	81.9%	63.4%
9/5/19	12067	14277				27.82%	68.2%	66.5%	**19.9%**	**68.5%**	**88.0%**	**94.0%**	**98.0%**	174	100.0%	68.2%
9/6/19	12073	14281				4.19%	37.4%	38.5%	**51.7%**	**78.4%**	**73.4%**	**77.9%**	**82.1%**	239	83.4%	38.5%
9/6/19	12074	14282				0.00%	56.2%	56.2%	**1.7%**	**46.4%**	**58.5%**	**73.3%**	**90.1%**	288	94.8%	56.2%
9/6/19	12075	14282				3.63%	36.5%	39.5%	**54.3%**	**95.6%**	**95.6%**	**96.1%**	**96.1%**	220	100.0%	39.5%
11/23/21	14242	15372				7.69%	41.4%	40.8%	**36.2%**	**58.0%**	**71.0%**	**72.5%**	**68.1%**	169	94.2%	41.4%
12/2/21	14247	15381				3.73%	50.3%	48.4%	**71.8%**	**89.7%**	**93.6%**	**100.0%**	**97.4%**	161	98.7%	50.3%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) along with Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
September 5, 2019	12067	14277		173.6	59.8	170.1	66.3	66.3	64	64	65.1	70.9	63.2		172	66.3
September 6, 2019	12073	14281		239	141.4	219.9	120.3	120.3	116.1	119.9	121.5	121.5	116.1		238.7	120.3
September 6, 2019	12075	14282		220	165	208.8	139.5	139.5	139.5	128.7	123.5	123	128.4		196.9	139.5
December 2, 2021	14248	15381		119	101	117	63	62	53	43	42	40	58		105	62

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
9/5/19	12067	14277				2.02%	61.8%	61.8%	-3.5%	-3.5%	-1.8%	4.3%	-4.7%	174	98.5%	61.8%
9/6/19	12073	14281				7.88%	49.6%	49.6%	-3.5%	-0.3%	1.0%	1.0%	-3.5%	239	100.0%	49.6%
9/6/19	12075	14282				5.22%	36.7%	36.7%	0.0%	-7.7%	-11.5%	-11.8%	-8.0%	220	71.0%	36.7%
12/2/21	14248	15381				1.68%	47.1%	47.9%	-14.5%	-30.6%	-32.3%	-35.5%	-6.5%	119	75.4%	47.9%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) along with L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
October 3, 2019	12130	14302		124	81	123.7	49.6	44.7	44.7	48.9	66	87.8	111.8		120.2	44.7
October 30, 2019	12229	14335		207.3	140.5	204.2	67.6	61.8	183.8	184.7	189.3	195.4	199.6		204.6	61.8
October 30, 2019	12230	14335		165.1	110.3	157.5	93.5	93.5	93.5	106.1	128.4	142.1	150.6		165.1	93.5
October 31, 2019	12241	14336		111.9	60.2	111.5	69.7	69.7	69.7	69.7	88.9	101.5	108.8		111.9	69.7
January 14, 2022	14318	15421		116	80	116	40	40	58	76	92	91	95		117	40

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
10/3/19	12130	14302			0.00%	59.9%	63.9%	**0.0%**	**5.3%**	**27.0%**	**54.6%**	**84.9%**	124	95.6%	63.9%
10/30/19	12229	14335			1.50%	67.4%	70.2%	**83.8%**	**84.5%**	**87.6%**	**91.8%**	**94.7%**	207	98.1%	70.2%
10/30/19	12230	14335			4.60%	43.4%	43.4%	**0.0%**	**17.6%**	**48.7%**	**67.9%**	**79.7%**	165	100.0%	43.4%
10/31/19	12241	14336			0.36%	37.7%	37.7%	**0.0%**	**0.0%**	**45.5%**	**75.4%**	**92.7%**	112	100.0%	37.7%
1/14/22	14318	15421			0.85%	65.8%	65.8%	**23.4%**	**46.8%**	**67.5%**	**66.2%**	**71.4%**	117	100.0%	65.8%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) along with C-PTIO (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction					Dilator Dose Response						Other	
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
July 28, 2023	15775	C882		342	289	340	148	147	197	241	312	322	325		342	147
July 29, 2023	15842	16152		178	81	178	110	110	133	144	152	165	174		175	110
August 11, 2023	15879	C834		214	134	211	139	132	158	165	174	190	204		211	132
August 15, 2023	15880	C837		270	180	270	121	120	195	219	208	234	240		262	120

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
7/28/23	15775	C882				0.58%	56.7%	57.0%	**25.6%**	**48.2%**	**84.6%**	**89.7%**	**91.3%**	342	100.0%	57.0%
7/29/23	15842	16152				0.00%	38.2%	38.2%	**33.8%**	**50.0%**	**61.8%**	**80.9%**	**94.1%**	178	95.6%	38.2%
8/11/23	15879	C834				1.40%	35.0%	38.3%	**31.7%**	**40.2%**	**51.2%**	**70.7%**	**87.8%**	214	96.3%	38.3%
8/15/23	15880	C837				0.00%	55.2%	55.6%	**50.0%**	**66.0%**	**58.7%**	**76.0%**	**80.0%**	270	94.7%	55.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + C2-ceramide (10uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
August 5, 2022	14873	C487	0.4	181	133	181.0	73	73	78	92	103	105	112		172	73
August 5, 2022	14873	C487	0.4	181	133	181.0	107	107	125	135	149	161	167		173	107
August 12, 2022	14894	C496		263	200	260	81	79	90	107	145	152	100		263	79
August 12, 2022	14894	C496		263	200	263	147	147	124	200	188	212	230		261	147
August 12, 2022	14903	C495		203	150	200	93	93	102	123	142	151	206		206	93
August 19, 2022	14912	C509	1.7	145	86	145	80	80	94	100	100	104	128		142	80
August 19, 2022	14911	156053	0.2	186	151	186	75	75	93	94	135	153	160		185	75

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
8/5/22	14873	C487			0.00%	59.7%	59.7%	**4.6%**	**17.6%**	**27.8%**	**29.6%**	**36.1%**	181	91.7%	59.7%
8/5/22	14873	C487			0.00%	40.9%	40.9%	**24.3%**	**37.8%**	**56.8%**	**73.0%**	**81.1%**	181	89.2%	40.9%
8/12/22	14894	C496			1.14%	69.2%	70.0%	**6.0%**	**15.2%**	**35.9%**	**39.7%**	**11.4%**	263	100.0%	70.0%
8/12/22	14894	C496			0.00%	44.1%	44.1%	**-15.6%**	**45.7%**	**35.3%**	**56.0%**	**71.6%**	263	98.3%	44.1%
8/12/22	14903	C495			2.91%	54.9%	54.9%	**8.0%**	**26.5%**	**43.4%**	**51.3%**	**100.0%**	206	100.0%	54.9%
8/19/22	14912	C509			0.00%	44.8%	44.8%	**21.5%**	**30.8%**	**30.8%**	**36.9%**	**73.8%**	145	95.4%	44.8%
8/19/22	14911	156053			0.00%	59.7%	59.7%	**16.2%**	**17.1%**	**54.1%**	**70.3%**	**76.6%**	186	99.1%	59.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + C2-ceramide (10uM) + L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 22, 2022	14763	C428	2.5	310	155	310.0	113	115	84	83	84	89	89		307	115
July 28, 2022	14841	C473	0.2	163	111	156.0	88	88	77	83	88	90	90		162	88
August 4, 2022	14568	C487	0	331	218	330	129	129	106	95	95	109	127		330	129
August 31, 2022	14918	15675		173	113	173	56	56	59	55	55	40	67		169	56

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/22/22	14763	C428			0.00%	63.5%	62.9%	**-27.0%**	**-27.8%**	**-27.0%**	**-22.6%**	**-22.6%**	310	98.5%	63.5%
7/28/22	14841	C473			4.29%	46.0%	46.0%	**-12.5%**	**-5.7%**	**0.0%**	**2.7%**	**2.7%**	163	98.7%	46.0%
8/4/22	14568	C487			0.30%	61.0%	61.0%	**-17.8%**	**-26.4%**	**-26.4%**	**-15.5%**	**-1.6%**	331	99.5%	61.0%
8/31/22	14918	15675			0.00%	67.6%	67.6%	**2.6%**	**-1.8%**	**-1.8%**	**-28.6%**	**9.4%**	173	96.6%	67.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + C2-ceramide (10uM) + Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 22, 2022	14763	C428	2.5	310	155	308.0	124	125	124	124	132	200	213		310	125
July 28, 2022	14841	C473	0.2	163	111	162.0	75	75	72	72	80	93	94		162	75
August 4, 2022	14568	C487	0	331	218	319	208	209	248	260	272	229	123		330	209
August 31, 2022	14918	15675		173	113	173	88	88	56	65	65	71	72		168	88

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/22/22	14763	C428				0.65%	60.0%	59.7%	**-0.8%**	**-0.8%**	**3.8%**	**40.5%**	**47.6%**	310	100.0%	60.0%
7/28/22	14841	C473				0.61%	54.0%	54.0%	**-4.0%**	**-4.0%**	**5.7%**	**20.5%**	**21.6%**	163	98.9%	54.0%
8/4/22	14568	C487				3.63%	37.2%	36.9%	**32.0%**	**41.8%**	**51.6%**	**16.4%**	**-41.1%**	331	99.2%	37.2%
8/31/22	14918	15675				0.00%	49.1%	49.1%	**-36.4%**	**-26.1%**	**-26.1%**	**-19.3%**	**-18.2%**	173	94.1%	49.1%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + S1P (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
February 2, 2022	14358	15432		160	130	160.0	86	86	100	117	123	128	135		155	86
February 24, 2022	14420	C264		78	60	78.0	40	40	53	48	58	65	68		76	40
February 25, 2022	14425	15452		127	101	103	52	52	76	88	64	93	114		122	52
March 3, 2022	14426	15455		177	114	177	85	85	93	104	115	120	138		163	85
August 30, 2022	14919	15675		240	74	238	92	92	97	92	110	132	130		233	92
August 30, 2022	14919	15675		240	74	238	127	127	131	128	152	174	192		240	127

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
2/2/22	14358	15432				0.00%	46.3%	46.3%	**18.9%**	**41.9%**	**50.0%**	**56.8%**	**66.2%**	160	93.2%	46.3%
2/24/22	14420	C264				0.00%	48.7%	48.7%	**34.2%**	**21.1%**	**47.4%**	**65.8%**	**73.7%**	78	94.7%	48.7%
2/25/22	14425	15452				18.90%	59.1%	59.1%	**32.0%**	**48.0%**	**16.0%**	**54.7%**	**82.7%**	127	93.3%	59.1%
3/3/22	14426	15455				0.00%	52.0%	52.0%	**8.7%**	**20.7%**	**32.6%**	**38.0%**	**57.6%**	177	84.8%	52.0%
8/30/22	14919	15675				0.83%	61.7%	61.7%	**3.4%**	**0.0%**	**12.2%**	**27.0%**	**25.7%**	240	95.3%	61.7%
8/30/22	14919	15675				0.83%	47.1%	47.1%	**3.5%**	**0.9%**	**22.1%**	**41.6%**	**57.5%**	240	100.0%	47.1%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + S1P (1uM) + L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
December 2, 2021	14251	15382		181	99	180.0	104	104	124	134	126	128	126		181	104
December 3, 2021	14261	15384		140	100	140.0	88	88	88	85	85	87	78		133	88
February 16, 2022	14366	C257		118	100	116	56	55	55	41	41	42	53		118	55
April 7, 2022	1446	15495		204	90	200	130	130	117	113	120	135	135		201	130

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
12/2/21	14251	15382				0.55%	42.5%	42.5%	**26.0%**	**39.0%**	**28.6%**	**31.2%**	**28.6%**	181	100.0%	42.5%
12/3/21	14261	15384				0.00%	37.1%	37.1%	**0.0%**	**-3.4%**	**-3.4%**	**-1.1%**	**-11.4%**	140	86.5%	37.1%
2/16/22	14366	C257				1.69%	52.5%	53.4%	**0.0%**	**-25.5%**	**-25.5%**	**-23.6%**	**-3.6%**	118	100.0%	53.4%
4/7/22	1446	15495				1.96%	36.3%	36.3%	**-10.0%**	**-13.1%**	**-7.7%**	**6.8%**	**6.8%**	204	95.9%	36.3%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + S1P (1uM) + Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
February 16, 2022	14366	C257		118	100	116.0	50	50	52	71	90	102	110		118	50
February 24, 2022	14420	C264		78	60	76.0	44	44	50	53	59	66	70		74	44
February 25, 2022	14425	15452		127	101	122	65	65	87	102	110	117	121		127	65
September 23, 2022	15001	15698		92	78	91	33	33	36	35	35	45	58		92	33

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
2/16/22	14366	C257				1.69%	57.6%	57.6%	**2.9%**	**30.9%**	**58.8%**	**76.5%**	**88.2%**	118	100.0%	57.6%
2/24/22	14420	C264				2.56%	43.6%	43.6%	**17.6%**	**26.5%**	**44.1%**	**64.7%**	**76.5%**	78	88.2%	43.6%
2/25/22	14425	15452				3.94%	48.8%	48.8%	**35.5%**	**59.7%**	**72.6%**	**83.9%**	**90.3%**	127	100.0%	48.8%
9/23/22	15001	15698				1.09%	64.1%	64.1%	**5.1%**	**3.4%**	**3.4%**	**20.3%**	**42.4%**	92	100.0%	64.1%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + CYM5442 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
March 3, 2022	14427	15455		274	118	274.0	140	140	141	167	186	205	210		268	140
March 3, 2022	14427	15455		174	118	274.0	103	103	138	191	200	210	225		270	103
April 8, 2022	14522	15496		184	115	184	91	90	141	142	145	145	146		165	90
April 20, 2022	14548	C339		179	140	177	74	74	133	162	170	172	175		179	74
April 22, 2022	14551	15514		160	100	160	83	83	95	75	90	83	49		140	83

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
3/3/22	14427	15455				0.00%	48.9%	48.9%	**0.7%**	**20.1%**	**34.3%**	**48.5%**	**52.2%**	274	95.5%	48.9%
3/3/22	14427	15455				-1.48%	61.9%	61.9%	**21.0%**	**52.7%**	**58.1%**	**64.1%**	**73.1%**	270	100.0%	61.9%
4/8/22	14522	15496				0.00%	50.5%	51.1%	**54.3%**	**55.3%**	**58.5%**	**58.5%**	**59.6%**	184	79.8%	51.1%
4/20/22	14548	C339				1.12%	58.7%	58.7%	**56.2%**	**83.8%**	**91.4%**	**93.3%**	**96.2%**	179	100.0%	58.7%
4/22/22	14551	15514				0.00%	48.1%	48.1%	**15.6%**	**-9.6%**	**9.1%**	**0.0%**	**-41.0%**	160	74.0%	48.1%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + CYM5442 (1uM) + L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
April 20, 2022	14548	C339		179	140	166.0	90	88	35	30	30	30	42		165	88
June 8, 2022	14647	15572		124	87	124.0	73	73	73	75	83	83	86		123	73
April 8, 2022	14522	15496		184	115	184	75	73	50	51	74	80	81		170	73
August 5, 2022	14874	C487		156	135	146	87	87	87	87	87	89	89		156	87

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
4/20/22	14548	C339				7.26%	49.7%	50.8%	**-60.2%**	**-65.9%**	**-65.9%**	**-65.9%**	**-52.3%**	179	84.6%	50.8%
6/8/22	14647	15572				0.00%	41.1%	41.1%	**0.0%**	**3.9%**	**19.6%**	**19.6%**	**25.5%**	124	98.0%	41.1%
4/8/22	14522	15496				0.00%	59.2%	60.3%	**-31.5%**	**-30.1%**	**0.9%**	**6.3%**	**7.2%**	184	87.4%	60.3%
8/5/22	14874	C487				6.41%	44.2%	44.2%	**0.0%**	**0.0%**	**0.0%**	**2.9%**	**2.9%**	156	100.0%	44.2%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + CYM5442 (1uM) + Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
August 5, 2022	14874	C487		156	135	146	86	86	82	81	80	80	80		156	86
August 23, 2022	15001	15698		92	78	92	39	39	40	40	40	40	40		91	39
October 26, 2022	15069	C585		154	118	118	52	52	53	58	63	81	53		154	52
May 17, 2023	15594	16029		138	88	138	62	62	62	68	71	79	80		116	62

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
8/5/22	14874	C487				6.41%	44.9%	44.9%	**-4.7%**	**-5.8%**	**-7.0%**	**-7.0%**	**-7.0%**	156	100.0%	44.9%
8/23/22	15001	15698				0.00%	57.6%	57.6%	**1.9%**	**1.9%**	**1.9%**	**1.9%**	**1.9%**	92	98.1%	57.6%
10/26/22	15069	C585				23.38%	66.2%	66.2%	**1.0%**	**5.9%**	**10.8%**	**28.4%**	**1.0%**	154	100.0%	66.2%
5/17/23	15594	16029				0.00%	55.1%	55.1%	**0.0%**	**7.9%**	**11.8%**	**22.4%**	**23.7%**	138	71.1%	55.1%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + GSK2795039 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 9, 2022	14650	15572	0.25	118	90	118.0	50	50	50	39	45	46	55		105	50
June 10, 2022	14718	15577	0.2	188	140	188.0	59	59	59	57	70	137	155		180	59
June 14, 2022	147222	15580	1	220	140	216	90	90	86	166	137	123	114		220	90
June 16, 2022	14729	15585	0.6	93	80	93	60	58	53	52	46	49	44		86	58
June 17, 2022	14730	C426	0.2	250	187	250	120	118	112	141	104	120	115		225	118

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/9/22	14650	15572				0.00%	57.6%	57.6%	**0.0%**	**-22.0%**	**-10.0%**	**-8.0%**	**7.4%**	118	80.9%	57.6%
6/10/22	14718	15577				0.00%	68.6%	68.6%	**0.0%**	**-3.4%**	**8.5%**	**60.5%**	**74.4%**	188	93.8%	68.6%
6/14/22	147222	15580				1.82%	59.1%	59.1%	**-4.4%**	**58.5%**	**36.2%**	**25.4%**	**18.5%**	220	100.0%	59.1%
6/16/22	14729	15585				0.00%	35.5%	37.6%	**-8.6%**	**-10.3%**	**-20.7%**	**-15.5%**	**-24.1%**	93	80.0%	37.6%
6/17/22	14730	C426				0.00%	52.0%	52.8%	**-5.1%**	**17.4%**	**-11.9%**	**1.5%**	**-2.5%**	250	81.1%	52.8%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GSK2795039 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction					Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
July 24, 2020	12733	14553	0.4	167	105	167.0	72	72	141	156	155	152	164		165	72
October 21, 2020	13070	14663	0.4	111	78	111.0	58	63	78	94	87	95	90		115	63
October 22, 2020	13069	14663	0.8	197	143	195	140	137	116	121	141	155	174		197	137
November 5, 2020	13132	14691	1.2	148	80	148	88	92	100	114	117	129	129		140	92

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
7/24/20	12733	14553				0.00%	56.9%	56.9%	**72.6%**	**88.4%**	**87.4%**	**84.2%**	**96.8%**	167	97.9%	56.9%
10/21/20	13070	14663				3.48%	49.6%	45.2%	**28.8%**	**59.6%**	**46.2%**	**61.5%**	**51.9%**	115	100.0%	49.6%
10/22/20	13069	14663				1.02%	28.9%	30.5%	**-15.3%**	**-11.7%**	**6.7%**	**30.0%**	**61.7%**	197	100.0%	30.5%
11/5/20	13132	14691				0.00%	40.5%	37.8%	**14.3%**	**39.3%**	**44.6%**	**66.1%**	**66.1%**	148	85.7%	40.5%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + Apocynin (300uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 9, 2022	14650	15572	0.25	118	90	118.0	81	80	69	63	70	70	86		110	80
June 10, 2022	14716	15577	0.65	109	98	109.0	74	74	73	72	70	66	64		108	74
June 14, 2022	14724	15580		112	67	95	34	34	52	72	70	71	70		112	34
June 17, 2022	14755	C426		108	83	108	54	54	52	55	55	55	50		97	54

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/9/22	14650	15572			0.00%	31.4%	32.2%	**-13.8%**	**-21.3%**	**-12.5%**	**-12.5%**	**15.8%**	118	78.9%	32.2%
6/10/22	14716	15577			0.00%	32.1%	32.1%	**-1.4%**	**-2.7%**	**-5.4%**	**-10.8%**	**-13.5%**	109	97.1%	32.1%
6/14/22	14724	15580			15.18%	69.6%	69.6%	**23.1%**	**48.7%**	**46.2%**	**47.4%**	**46.2%**	112	100.0%	69.6%
6/17/22	14755	C426			0.00%	50.0%	50.0%	**-3.7%**	**1.9%**	**1.9%**	**1.9%**	**-7.4%**	108	79.6%	50.0%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with Apocynin (300uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 14, 2022	14724	15580	0.6	112	67	100.0	35	34	37	40	91	96	96		99	34
June 10, 2022	14716	15577	0.65	109	98	109.0	70	70	70	88	91	100	107		108	70
June 17, 2022	14755	C426	0	108	83	108	53	53	53	52	46	55	54		97	53
June 21, 2022	14758	C428	0.2	174	115	174	81	81	123	147	160	162	165		170	81

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/14/22	14724	15580				10.71%	68.8%	69.6%	**3.8%**	**7.7%**	**73.1%**	**79.5%**	**79.5%**	112	83.3%	69.6%
6/10/22	14716	15577				0.00%	35.8%	35.8%	**0.0%**	**46.2%**	**53.8%**	**76.9%**	**94.9%**	109	97.4%	35.8%
6/17/22	14755	C426				0.00%	50.9%	50.9%	**0.0%**	**-1.9%**	**-13.2%**	**3.6%**	**1.8%**	108	80.0%	50.9%
6/21/22	14758	C428				0.00%	53.4%	53.4%	**45.2%**	**71.0%**	**84.9%**	**87.1%**	**90.3%**	174	95.7%	53.4%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GW4869 (4uM) + GKT137831 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 16, 2022	14729	15585		93	80	93.0	52	46	49	63	71	89	90		87	46
June 21, 2022	14758	C428		174	115	174.0	85	85	99	159	149	115	146		163	85
June 14, 2022	14722	15580		220	140	216	87	86	84	88	89	164	188		218	86
August 31, 2022	14920	15675		209	161	209	85	85	168	168	190	206	206		207	85

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/16/22	14729	15585				0.00%	44.1%	50.5%	**6.4%**	**36.2%**	**53.2%**	**91.5%**	**93.6%**	93	87.2%	50.5%
6/21/22	14758	C428				0.00%	51.1%	51.1%	**15.7%**	**83.1%**	**71.9%**	**33.7%**	**68.5%**	174	87.6%	51.1%
6/14/22	14722	15580				1.82%	60.5%	60.9%	**-2.3%**	**1.5%**	**2.2%**	**58.2%**	**76.1%**	220	98.5%	60.9%
8/31/22	14920	15675				0.00%	59.3%	59.3%	**66.9%**	**66.9%**	**84.7%**	**97.6%**	**97.6%**	209	98.4%	59.3%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with GKT137831 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction					Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
August 6, 2020	12779	14564	1.5	200	128	187.0	96	90	83	84	95	156	172		193	90
August 7, 2020	12784	14567	1.6	157	123	146.0	85	86	105	114	125	128	143		152	86
August 12, 2020	12803	14576	0.2	109	63	109.0	47	44	46	72	101	97	102		103	44
August 13, 2020	12812	14576	0.4	186	50	179	108	107	120	153	165	169	174		176	107

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
8/6/20	12779	14564			6.50%	52.0%	55.0%	**-7.8%**	**-6.7%**	**4.5%**	**60.0%**	**74.5%**	200	93.6%	55.0%
8/7/20	12784	14567			7.01%	45.9%	45.2%	**26.8%**	**39.4%**	**54.9%**	**59.2%**	**80.3%**	157	93.0%	45.9%
8/12/20	12803	14576			0.00%	56.9%	59.6%	**3.1%**	**43.1%**	**87.7%**	**81.5%**	**89.2%**	109	90.8%	59.6%
8/13/20	12812	14576			3.76%	41.9%	42.5%	**16.5%**	**58.2%**	**73.4%**	**78.5%**	**84.8%**	186	87.3%	42.5%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with Spk-i (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
April 21, 2022	14552	15514		187	63	179	100	100	100	100	106	120	138		178	100
January 19, 2023	15289	15869		118	96	118	59	60	50	41	37	40	40		103	60
February 17, 2023	15420	C672		143	109	141	75	74	76	80	93	98	101		143	74
February 14, 2023	15345	15901		81	77	81	31	32	49	72	76	63	67		79	32

% Max Dilation Calculated

DATE	Raw Data Sheet #	PATIENT ID				% TONE	ET-1 preconst % (5 min)	ET-1 preconst % (10 min)	flow 5mmHg	flow 10mmHg	flow 20mmHg	flow 50mmHg	flow 100mmHg	Max Diameter	Papaverine % dil.	% const.
4/21/22	14552	15514				4.28%	46.5%	46.5%	**0.0%**	**0.0%**	**6.9%**	**23.0%**	**43.7%**	187	89.7%	46.5%
1/19/23	15289	15869				0.00%	50.0%	49.2%	**-16.7%**	**-31.7%**	**-38.3%**	**-33.3%**	**-33.3%**	118	74.1%	50.0%
2/17/23	15420	C672				1.40%	47.6%	48.3%	**2.9%**	**8.7%**	**27.5%**	**34.8%**	**39.1%**	143	100.0%	48.3%
2/14/23	15345	15901				0.00%	61.7%	60.5%	**34.7%**	**81.6%**	**89.8%**	**63.3%**	**71.4%**	81	95.9%	61.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with Spk-i (1uM)+ S1P (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 9,2022	14712	15572	0.25	131	100	131.0	61	61	78	71	76	84	94		132	61
June 10,2022	14717	15577	0.4	164	141	163.0	81	81	127	135	137	137	138		162	81
June 14, 2022	14721	15580	1	260	150	240	95	95	214	229	227	227	242		260	95
June 17, 2022	14731	C426	0.6	221	165	221	96	97	107	117	139	144	180		215	97

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
June 9,2022	14712	15572				0.76%	53.8%	53.8%	**23.9%**	**14.1%**	**21.1%**	**32.4%**	**46.5%**	132	100.0%	53.8%
June 10,2022	14717	15577				0.61%	50.6%	50.6%	**55.4%**	**65.1%**	**67.5%**	**67.5%**	**68.7%**	164	97.6%	50.6%
6/14/22	14721	15580				7.69%	63.5%	63.5%	**72.1%**	**81.2%**	**80.0%**	**80.0%**	**89.1%**	260	100.0%	63.5%
6/17/22	14731	C426				0.00%	56.6%	56.1%	**8.1%**	**16.1%**	**33.9%**	**37.9%**	**66.9%**	221	95.2%	56.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction					Dilator Dose Response						Other		
RAW DATA ENTRY																	
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
May 8, 2019	11592	14144		92	47.4	87.7	50.9	49.7	48	53.8	64.9	86	90.6		91.8	49.7
May 16, 2019	11613	14147		97.7	85	96.5	67.1	65.9	59	62.4	60.7	85.5	80.9		96.5	65.9
May 17, 2019	11627	14149		108.7	49.7	108.7	72.8	73.4	76.3	79.2	78	79.8	82.1		101.2	73.4
June 20, 2020	12630	14533		150.3	100.4	100.3	63.6	61.5	65.4	69.4	88.8	125	145		150	61.5
June 20, 2020	12630	14533		209.8	74.5	209.8	105	106	118	136.7	147	161.6	173		205	106
April 8, 2022	14525	15496		253	125	258	117	112	105	117	124	161	185		253	112

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
5/8/19	11592	14144				4.47%	44.6%	45.9%	**-3.4%**	**9.7%**	**36.1%**	**86.2%**	**97.1%**	92	100.0%	45.9%
5/16/19	11613	14147				1.23%	31.3%	32.5%	**-10.5%**	**-5.3%**	**-7.9%**	**61.6%**	**47.2%**	98	96.2%	32.5%
5/17/19	11627	14149				0.00%	33.0%	32.5%	**8.2%**	**16.4%**	**13.0%**	**18.1%**	**24.6%**	109	78.8%	33.0%
6/20/20	12630	14533				33.27%	57.7%	59.1%	**4.4%**	**8.9%**	**30.7%**	**71.5%**	**94.0%**	150	99.7%	59.1%
6/20/20	12630	14533				0.00%	50.0%	49.5%	**11.6%**	**29.6%**	**39.5%**	**53.6%**	**64.5%**	210	95.4%	50.0%
4/8/22	14525	15496				-1.98%	53.8%	55.7%	**-6.3%**	**3.5%**	**8.5%**	**34.8%**	**51.8%**	253	100.0%	55.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) +L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 6, 2022	14647	15572	0.5	124	87	124.0	60	60	78	78	80	109	122		124	60
June 22, 2022	14764	C428	1	177	140	177.0	78	78	89	93	93	98	114		172	78
July 28, 2022	14840	C473	0.2	108	80	108	46	45	47	56	59	63	67		101	45
January 5, 2023	15276	15845		181	150	172	54	51	52	59	72	104	114		176	51

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/6/22	14647	15572				0.00%	51.6%	51.6%	**28.1%**	**28.1%**	**31.3%**	**76.6%**	**96.9%**	124	100.0%	51.6%
6/22/22	14764	C428				0.00%	55.9%	55.9%	**11.1%**	**15.2%**	**15.2%**	**20.2%**	**36.4%**	177	94.9%	55.9%
7/28/22	14840	C473				0.00%	57.4%	58.3%	**3.2%**	**17.5%**	**22.2%**	**28.6%**	**34.9%**	108	88.9%	58.3%
1/5/23	15276	15845				4.97%	70.2%	71.8%	**0.8%**	**6.2%**	**16.2%**	**40.8%**	**48.5%**	181	96.2%	71.8%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) + Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information						Preconstriction			Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
April 21, 2022	14553	15514	2	200	90	200.0	108	108	89	81	84	86	102		195	108
June 6, 2022	14647	15572	0.5	124	87	124.0	60	60	50.4	55.8	57	64	64		120	60
June 20, 2022	14730	C426	0.2	250	187	250	89	90	88	89	89	88	89		224	90
June 22, 2022	14764	C428	2.5	177	140	177	64	64	64	52	68	72	59		175	64
December 20, 2022	15238	C627	0.4	222	92	210	80	80	73	73	73	80	82		222	80

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
4/21/22	14553	15514				0.00%	46.0%	46.0%	**-17.6%**	**-25.0%**	**-22.2%**	**-20.4%**	**-5.6%**	200	94.6%	46.0%
6/6/22	14647	15572				0.00%	51.6%	51.6%	**-16.0%**	**-7.0%**	**-5.0%**	**6.3%**	**6.3%**	124	93.8%	51.6%
6/20/22	14730	C426				0.00%	64.4%	64.0%	**-2.2%**	**-1.1%**	**-1.1%**	**-2.2%**	**-1.1%**	250	83.8%	64.4%
6/22/22	14764	C428				0.00%	63.8%	63.8%	**0.0%**	**-18.8%**	**3.5%**	**7.1%**	**-7.8%**	177	98.2%	63.8%
12/20/22	15238	C627				5.41%	64.0%	64.0%	**-8.8%**	**-8.8%**	**-8.8%**	**0.0%**	**1.4%**	222	100.0%	64.0%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) + GSK2795039 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
January 19, 2023	15290	15869		163		163	98	98	98	82	86	107	108		163	98
December 20, 2022	15238	C627	0.4	222	92	222	84	84	86	87	85	96	98		215	84
January 5, 2023	15278	15845		220	183	218	143	142	126	140	132	124	113		220	142
February 3, 2023	15339	15887	0.6	205	152	205	98	100	134	134	142	142	142		198	100

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
1/19/23	15290	15869			0.00%	39.9%	39.9%	**0.0%**	**-16.3%**	**-12.2%**	**13.8%**	**15.4%**	163	100.0%	39.9%
12/20/22	15238	C627			0.00%	62.2%	62.2%	**1.4%**	**2.2%**	**0.7%**	**8.7%**	**10.1%**	222	94.9%	62.2%
1/5/23	15278	15845			0.91%	35.0%	35.5%	**-11.3%**	**-1.4%**	**-7.0%**	**-12.7%**	**-20.4%**	220	100.0%	35.5%
2/3/23	15339	15887			0.00%	52.2%	51.2%	**32.4%**	**32.4%**	**40.0%**	**40.0%**	**40.0%**	205	93.3%	52.2%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) + GKT137831 (1uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
February 3, 2023	15339	15887	0.6	205	152	205	105	105	128	132	144	151	170		197	105
January 5, 2023	15278	15845		220	183	220	109	109	149	172	177	194	200		215	109
February 16, 2023	15347	15906		237	153	237	120	121	162	153	155	160	202		230	121
February 17, 2023	15422	C672		251	215	251	105	105	111	120	142	162	173		241	105

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
2/3/23	15339	15887				0.00%	48.8%	48.8%	**23.0%**	**27.0%**	**39.0%**	**46.0%**	**65.0%**	205	92.0%	48.8%
1/5/23	15278	15845				0.00%	50.5%	50.5%	**36.0%**	**56.8%**	**61.3%**	**76.6%**	**82.0%**	220	95.5%	50.5%
2/16/23	15347	15906				0.00%	49.4%	48.9%	**35.3%**	**27.6%**	**29.3%**	**33.6%**	**69.8%**	237	94.0%	49.4%
2/17/23	15422	C672				0.00%	58.2%	58.2%	**4.1%**	**10.3%**	**25.3%**	**39.0%**	**46.6%**	251	93.2%	58.2%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with CAY10444 (10uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 8, 2022	14648	15572	1.2	127	97	124.0	77	75	80	95	100	116	124		127	75
June 14, 2022	14723	15580	0.2	101	66	82.0	33	33	45	57	78	81	98		98	33
June 16, 2022	14726	15585	0.9	156	130	150	55	54	53	54	60	74	115		156	54
June 21, 2022	14759	C428	0.5	145	103	145	55	57	70	73	105	129	130		147	57

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/8/22	14648	15572			2.36%	39.4%	40.9%	**9.6%**	**38.5%**	**48.1%**	**78.8%**	**94.2%**	127	100.0%	40.9%
6/14/22	14723	15580			18.81%	67.3%	67.3%	**17.6%**	**35.3%**	**66.2%**	**70.6%**	**95.6%**	101	95.6%	67.3%
6/16/22	14726	15585			3.85%	64.7%	65.4%	**-1.9%**	**0.0%**	**5.9%**	**19.6%**	**59.8%**	156	100.0%	65.4%
6/21/22	14759	C428			1.36%	62.6%	61.2%	**14.4%**	**17.8%**	**53.3%**	**80.0%**	**81.1%**	147	100.0%	62.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (1uM) + CAY10444 (10uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction					Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
June 8, 2022	14648	15572	1.2	127	97	124.0	63	63	76	75	90	98	98		114	63
June 14, 2022	14723	15580	0.2	101	66	101.0	39	38	45	65	59	59	38		95	38
June 16, 2022	14726	15585	0.2	156	130	156	74	74	78	87	90	112	123		149	74
June 21, 2022	14759	C428	0.4	145	103	138	56	58	71	64	63	74	76		141	58
July 28, 2022	14840	C473	0.2	108	80	108	36	36	36	36	56	60	61		101	36

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
6/8/22	14648	15572				2.36%	50.4%	50.4%	**20.3%**	**18.8%**	**42.2%**	**54.7%**	**54.7%**	127	79.7%	50.4%
6/14/22	14723	15580				0.00%	61.4%	62.4%	**11.1%**	**42.9%**	**33.3%**	**33.3%**	**0.0%**	101	90.5%	62.4%
6/16/22	14726	15585				0.00%	52.6%	52.6%	**4.9%**	**15.9%**	**19.5%**	**46.3%**	**59.8%**	156	91.5%	52.6%
6/21/22	14759	C428				4.83%	61.4%	60.0%	**14.9%**	**6.9%**	**5.7%**	**18.4%**	**20.7%**	145	95.4%	61.4%
7/28/22	14840	C473				0.00%	66.7%	66.7%	**0.0%**	**0.0%**	**27.8%**	**33.3%**	**34.7%**	108	90.3%	66.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with CAY10444 (10uM) +L-NAME (100uM) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other	
RAW DATA ENTRY															
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
October 26, 2022	15054	C585		249	130	147.0	68	68	58	53	41	34	35		246	68
December 2, 2022	15198	C612		209	131	209	90	90	85	77	86	101	101		200	90
January 5, 2023	15276	15845		181	150	172	76	76	77	82	87	105	122		181	76
January 19, 2023	15291	15869		126	126	126	58	54	56	61	73	87	89		120	54
February 3, 2023	15341	15887		210	113	196	44	44	47	54	59	64	65		205	44

% Max Dilation Calculated															
	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
10/26/22	15054	C585				40.96%	72.7%	72.7%	-14.7%	-22.1%	-39.7%	-50.0%	-48.5%	249	98.3%	72.7%
12/2/22	15198	C612				0.00%	56.9%	56.9%	-5.6%	-14.4%	-4.4%	9.2%	9.2%	209	92.4%	56.9%
1/5/23	15276	15845				4.97%	58.0%	58.0%	1.0%	5.7%	10.5%	27.6%	43.8%	181	100.0%	58.0%
1/19/23	15291	15869				0.00%	54.0%	57.1%	2.8%	9.7%	26.4%	45.8%	48.6%	126	91.7%	57.1%
2/3/23	15341	15887				6.67%	79.0%	79.0%	1.8%	6.0%	9.0%	12.0%	12.7%	210	97.0%	79.0%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with CAY10444 (10uM) +Catalase (500U/ml) for 30min in the bath and then FMD

Experiment Information				Preconstriction		Dilator Dose Response								Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	flow	flow	flow	flow	flow		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg		-4 logM	post
October 26, 2022	15054	C585		249	130	147.0	68	68	75	116	132	162	125		249	68
November 1, 2022	15095	C591		213	146	213.0	78	76	56	99	123	112	99		195	76
December 2, 2022	15198	C612		209	131	209	85	53	67	85	99	116	110		196	53
December 16, 2022	15235	15282		170	124	170	109	107	110	110	110	110	118		170	107
February 3, 2023	15341	15887		210	113	210	64	61	61	66	73	105	164		207	61

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		flow	flow	flow	flow	flow	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	5mmHg	10mmHg	20mmHg	50mmHg	100mmHg	Diameter	% dil.	% const.
10/26/22	15054	C585				40.96%	72.7%	72.7%	**3.9%**	**26.5%**	**35.4%**	**51.9%**	**31.5%**	249	100.0%	72.7%
11/1/22	15095	C591				0.00%	63.4%	64.3%	**-26.3%**	**16.8%**	**34.3%**	**26.3%**	**16.8%**	213	86.9%	64.3%
12/2/22	15198	C612				0.00%	59.3%	74.6%	**9.0%**	**20.5%**	**29.5%**	**40.4%**	**36.5%**	209	91.7%	74.6%
12/16/22	15235	15282				0.00%	35.9%	37.1%	**4.8%**	**4.8%**	**4.8%**	**4.8%**	**17.5%**	170	100.0%	37.1%
2/3/23	15341	15887				0.00%	69.5%	71.0%	**0.0%**	**3.4%**	**8.1%**	**29.5%**	**69.1%**	210	98.0%	71.0%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels (untreated) were subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction		Dilator Dose Response						Other		
RAW DATA ENTRY														
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
December 6, 2019	12407	14378		178.6	39.3	178.6	88.5	88.5	88.5	88.5	94.3	106.5	112.2		171	88.5
February 6, 2020	12506	14456		203.4	97.7	183.5	100.8	102.3	116.5	123.8	134.1	154.4	159.4		203.4	102.3
February 6, 2020	12507	14456		213	94.6	213	147.1	149	153.6	158.6	167.4	180.5	186.2		211.5	149
October 1, 2021	14053	15277		104	79	704	31	33	34	38	54	60	74		102	33
October 1, 2021	14052	15277		188	162	183	74	75	86	93	94	98	104		188	75
December 2, 2021	14249	15382		175	114	179	103	101	109	120	134	140	140		175	101
April 21, 2022	14550	15514		206	90	190	87	87	110	115	117	117	120		190	87

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
12/6/19	12407	14378			0.00%	50.4%	50.4%	**0.0%**	**0.0%**	**6.4%**	**20.0%**	**26.3%**	179	91.6%	50.4%
2/6/20	12506	14456			9.78%	50.4%	49.7%	**14.0%**	**21.3%**	**31.5%**	**51.5%**	**56.5%**	203	100.0%	50.4%
2/6/20	12507	14456			0.00%	30.9%	30.0%	**7.2%**	**15.0%**	**28.8%**	**49.2%**	**58.1%**	213	97.7%	30.9%
10/1/21	14053	15277			-576.92%	70.2%	68.3%	**1.4%**	**7.0%**	**29.6%**	**38.0%**	**57.7%**	104	97.2%	70.2%
10/1/21	14052	15277			2.66%	60.6%	60.1%	**9.7%**	**15.9%**	**16.8%**	**20.4%**	**25.7%**	188	100.0%	60.6%
12/2/21	14249	15382			-2.29%	41.1%	42.3%	**10.8%**	**25.7%**	**44.6%**	**52.7%**	**52.7%**	175	100.0%	42.3%
4/21/22	14550	15514			7.77%	57.8%	57.8%	**19.3%**	**23.5%**	**25.2%**	**25.2%**	**27.7%**	206	86.6%	57.8%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels (untreated) were subject to increasing concentration of DMSO (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response						Other		
RAW DATA ENTRY																	
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	DMSO DRC	DMSO DRC	DMSO DRC	DMSO DRC	DMSO DRC		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
December 4, 2019	12380	14373		198.5	45.6	198.5	112.3	108.4	108.4	108.4	108.8	108.8	108.8		194.6	108.4
December 18, 2019	12442	14399		79.7	70.9	75.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1		79.7	62.1
January 16, 2020	12466	14428		128.4	89.7	134.1	64.8	66.3	66.3	66.3	69	78.2	93.1		124.9	66.3
January 31, 2020	12496	14447		183.2	145.4	180.2	107.6	103.4	103.4	103.4	108	108	117.6		183.2	103.4
February 6, 2020	12508	14456		235.5	114.1	234	163.4	161.1	168.7	168.3	176	176	168.7		235.5	161.1

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		DMSO DRC	DMSO DRC	DMSO DRC	DMSO DRC	DMSO DRC	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
12/4/19	12380	14373			0.00%	43.4%	45.4%	**0.0%**	**0.0%**	**0.4%**	**0.4%**	**0.4%**	199	95.7%	45.4%
12/18/19	12442	14399			4.77%	22.1%	22.1%	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	80	100.0%	22.1%
1/16/20	12466	14428			-4.44%	49.5%	48.4%	**0.0%**	**0.0%**	**4.3%**	**19.2%**	**43.2%**	128	94.4%	49.5%
1/31/20	12496	14447			1.64%	41.3%	43.6%	**0.0%**	**0.0%**	**5.8%**	**5.8%**	**17.8%**	183	100.0%	43.6%
2/6/20	12508	14456			0.64%	30.6%	31.6%	**10.2%**	**9.7%**	**20.0%**	**20.0%**	**10.2%**	236	100.0%	31.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels (untreated) were subject to increasing doses of dihydro-C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

RAW DATA ENTRY

Experiment Information						Preconstriction			Dilator Dose Response						Other		
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	ydroC2-Ceram	ydroC2-Ceram	droC2-Ceram	ydroC2-Ceram	droC2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
April 20, 2022	14549	C339		141	120	141.0	56	58	59	59	59	61	62		138	58
April 21, 2022	14550	15514		206	90	190.0	87	87	87	88	87	87	86		190	87
April 29, 2022	14567	C361		87	78	87	40	40	40	40	43	44	46		84	40
April 29, 2022	14566	C360	2.5	172	130	172	119	119	119	119	119	120	123		168	119

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		ydroC2-Ceram	ydroC2-Ceram	droC2-Ceram	ydroC2-Ceram	droC2-Cera	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
4/20/22	14549	C339				0.00%	60.3%	58.9%	**1.2%**	**1.2%**	**1.2%**	**3.6%**	**4.8%**	141	96.4%	60.3%
4/21/22	14550	15514				7.77%	57.8%	57.8%	**0.0%**	**0.8%**	**0.0%**	**0.0%**	**-1.1%**	206	86.6%	57.8%
4/29/22	14567	C361				0.00%	54.0%	54.0%	**0.0%**	**0.0%**	**6.4%**	**8.5%**	**12.8%**	87	93.6%	54.0%
4/29/22	14566	C360				0.00%	30.8%	30.8%	**0.0%**	**0.0%**	**0.0%**	**1.9%**	**7.5%**	172	92.5%	30.8%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with CPTIO (100uM) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response						Other		
RAW DATA ENTRY																	
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
July 29, 2020	12734	G4UD65KH76		173.9	101.9	173.9	101.9	100.8	111.9	117.6	119.5	120.7	120.3		172	100.8
July 30, 2020	12749	14559		160.2	87.4	160.2	97.3	97.3	97.7	97.7	97.3	106.1	104.6		153.6	97.3
August 5, 2020	12762	14564		127	72	127	69	66	66	66	66	68	71		125	66.3
December 2, 2021	14250	15382		118	104	118	60	60	50	50	53	59	59		110	60

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
7/29/20	12734	G4UD65KH76			0.00%	41.4%	42.0%	**15.2%**	**23.0%**	**25.6%**	**27.2%**	**26.7%**	174	97.4%	42.0%
7/30/20	12749	14559			0.00%	39.3%	39.3%	**0.6%**	**0.6%**	**0.0%**	**14.0%**	**11.6%**	160	89.5%	39.3%
8/5/20	12762	14564			0.00%	45.8%	47.9%	**0.0%**	**0.0%**	**0.0%**	**3.1%**	**6.9%**	127	96.2%	47.9%
12/2/21	14250	15382			0.00%	49.2%	49.2%	**-16.7%**	**-16.7%**	**-11.7%**	**-1.7%**	**-1.7%**	118	86.2%	49.2%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with Catalase (500U/ml) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response						Other		
RAW DATA ENTRY																	
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
October 14, 2022	15046	15737		184	156	184.0	121	120	114	122	130	102	124		183	120
October 27, 2022	15055	C585		232	157	232.0	89	88	88	88	88	88	88		228	88
November 1, 2022	15096	C591		238	177	237	87	87	87	87	87	91	92		228	87

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
10/14/22	15046	15737				0.00%	34.2%	34.8%	**-5.0%**	**3.1%**	**15.6%**	**-15.0%**	**6.3%**	184	98.4%	34.8%
10/27/22	15055	C585				0.00%	61.6%	62.1%	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	232	97.2%	62.1%
11/1/22	15096	C591				0.42%	63.4%	63.4%	**0.0%**	**0.0%**	**0.0%**	**2.6%**	**3.3%**	238	93.4%	63.4%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with L-NAME (100uM) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response						Other		
RAW DATA ENTRY																	
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
October 30, 2019	12227	14335		144	78.9	144.1	82.4	82.4	82.4	36	36	36	36		128.4	82.4
October 30, 2019	12228	14335		132.2	84.9	132.2	75.1	79.7	79.7	72.8	72.8	77	93.8		118	79.7
October 31, 2019	12240	14336		177	138.3	177	123.4	125.3	125.3	126.8	129.1	130.3	130.3		166.3	125.3
December 2, 2021	14250	15382		118	104	118	68	67	67	65	72	78	78		110	67
December 2, 2021	14247	15381		168	121	160.0	100	95	95	95	98	104	108		168	95

% Max Dilation Calculated															
	Raw Data	PATIENT			%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID			TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
10/30/19	12227	14335			0.00%	42.8%	42.8%	**0.0%**	**-56.3%**	**-56.3%**	**-56.3%**	**-56.3%**	144	74.6%	42.8%
10/30/19	12228	14335			0.00%	43.2%	39.7%	**0.0%**	**-8.7%**	**-8.7%**	**-3.4%**	**26.9%**	132	73.0%	43.2%
10/31/19	12240	14336			0.00%	30.3%	29.2%	**0.0%**	**2.9%**	**7.4%**	**9.7%**	**9.7%**	177	79.3%	30.3%
12/2/21	14250	15382			0.00%	42.4%	43.2%	**0.0%**	**-3.0%**	**9.8%**	**21.6%**	**21.6%**	118	84.3%	43.2%
12/2/21	14247	15381			4.76%	40.5%	43.5%	**0.0%**	**0.0%**	**4.1%**	**12.3%**	**17.8%**	168	100.0%	43.5%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with SpK-I (1uM) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
December 6, 2019	12409	14378		251	126	251	169	169	169	167	167	172	179		249	168.5
December 11, 2019	12419	14387		137	74.8	137	69.8	69.8	69.8	69.8	77.5	90.8	84.7		127.1	69.8
December 12, 2019	12427	14387		246.2	147.7	246.2	148.1	146.2	146.2	146.2	159.9	185.1	156.1		235.1	146.2
January 16, 2020	12465	14428		136.3	102.7	136.3	63.7	63.7	66.8	77.1	77.1	80.9	83.2		128.2	63.7
December 17, 2021	14294	C224		104	75	100.0	35	35	33	33	35	35	35		104	35
January 19, 2022	15285	C640		138		138	53	42	42	43	44	45	46		133	42

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
12/6/19	12409	14378				0.00%	32.8%	32.8%	**0.0%**	**-0.9%**	**-0.9%**	**4.6%**	**13.2%**	251	98.2%	32.8%
12/11/19	12419	14387				0.00%	49.1%	49.1%	**0.0%**	**0.0%**	**11.5%**	**31.3%**	**22.2%**	137	85.3%	49.1%
12/12/19	12427	14387				0.00%	39.8%	40.6%	**0.0%**	**0.0%**	**13.7%**	**38.9%**	**9.9%**	246	88.9%	40.6%
1/16/20	12465	14428				0.00%	53.3%	53.3%	**4.3%**	**18.5%**	**18.5%**	**23.7%**	**26.9%**	136	88.8%	53.3%
12/17/21	14294	C224				3.85%	66.3%	66.3%	**-5.7%**	**-5.7%**	**0.0%**	**0.0%**	**0.0%**	104	100.0%	66.3%
1/19/22	15285	C640				0.00%	61.6%	69.6%	**0.0%**	**1.0%**	**2.1%**	**3.1%**	**4.2%**	138	94.8%	69.6%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with W146 (10uM) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction					Dilator Dose Response					Other		
RAW DATA ENTRY																
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
April 20, 2022	14549	C339		171	120	141.0	58	58	58	58	60	60	62		138	58
April 21, 2022	14550	15514		206	90	190.0	116	116	117	110	110	115	117		206	116
April 29, 2022	14567	C361		87	78	87	41	41	41	41	41	41	41		87	41
August 4, 2022	14869	C487		158	119	153	70	70	70	70	71	73	74		150	70

% Max Dilation Calculated

	Raw Data	PATIENT				%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
4/20/22	14549	C339				17.54%	66.1%	66.1%	**0.0%**	**0.0%**	**1.8%**	**1.8%**	**3.5%**	171	70.8%	66.1%
4/21/22	14550	15514				7.77%	43.7%	43.7%	**1.1%**	**-5.2%**	**-5.2%**	**-0.9%**	**1.1%**	206	100.0%	43.7%
4/29/22	14567	C361				0.00%	52.9%	52.9%	**0.0%**	**0.0%**	**0.0%**	**0.0%**	**0.0%**	87	100.0%	52.9%
8/4/22	14869	C487				3.16%	55.7%	55.7%	**0.0%**	**0.0%**	**1.1%**	**3.4%**	**4.5%**	158	90.9%	55.7%

*Data from multiple vessels from the same patient are averaged

Experiment:	non-CAD vessels were treated with CAY10444 (10uM) for 30min in the bath and then subject to increasing doses of C2-ceramide (diluted in KREBs buffer). Dilation measurements were taken 1 min after each dose.

Experiment Information				Preconstriction		Dilator Dose Response						Other		
RAW DATA ENTRY														
	Raw Data	PATIENT		Max	HUNG	ET-1	ET-1	ET-1	C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide		Papaverine	ET
Experiment Date	Sheet #	ID		ID	COLD ID	PRE	5 MIN	10 MIN	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM		-4 logM	post
August 4, 2022	14869	C487		158	119	158	97	96	95	86	85	87	78		151	96
October 27, 2022	15055	C585		232	157	232	82	82	83	83	84	87	87		230	82
November 1, 2022	15096	C591		238	177	238	91	94	113	113	140	122	132		237	94
May 17, 2023	15594	16029		124	88	138	68	68	70	70	70	70	70		124	68
% Max Dilation Calculated																
	Raw Data	PATIENT				%	ET-1 preconst		C2-Ceramide	C2-Ceramide	C2-Ceramid	C2-Ceramide	C2-Ceramide	Max	Papaverine	
DATE	Sheet #	ID				TONE	% (5 min)	% (10 min)	-9 logM	-8 logM	-7 logM	-6 logM	-5 logM	Diameter	% dil.	% const.
8/4/22	14869	C487				0.00%	38.6%	39.2%	**-1.0%**	**-10.4%**	**-11.5%**	**-9.4%**	**-18.8%**	158	88.7%	39.2%
10/27/22	15055	C585				0.00%	64.7%	64.7%	**0.7%**	**0.7%**	**1.3%**	**3.3%**	**3.3%**	232	98.7%	64.7%
11/1/22	15096	C591				0.00%	61.8%	60.5%	**13.2%**	**13.2%**	**31.9%**	**19.4%**	**26.4%**	238	99.3%	61.8%
5/17/23	15594	16029				-11.29%	45.2%	45.2%	**3.6%**	**3.6%**	**3.6%**	**3.6%**	**3.6%**	124	100.0%	45.2%

*Data from multiple vessels from the same patient are averaged