

Tuning the Nitric Oxide Release from CPO-27 MOFs

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Supporting Information

Figure 1: Thermogravimetric profiles of (a) CPO-27 (Zn), (b) CPO-27 (Zn) 10% Ni, (c) CPO-27 (Zn) 20% Ni and (d) CPO-27 (Ni).

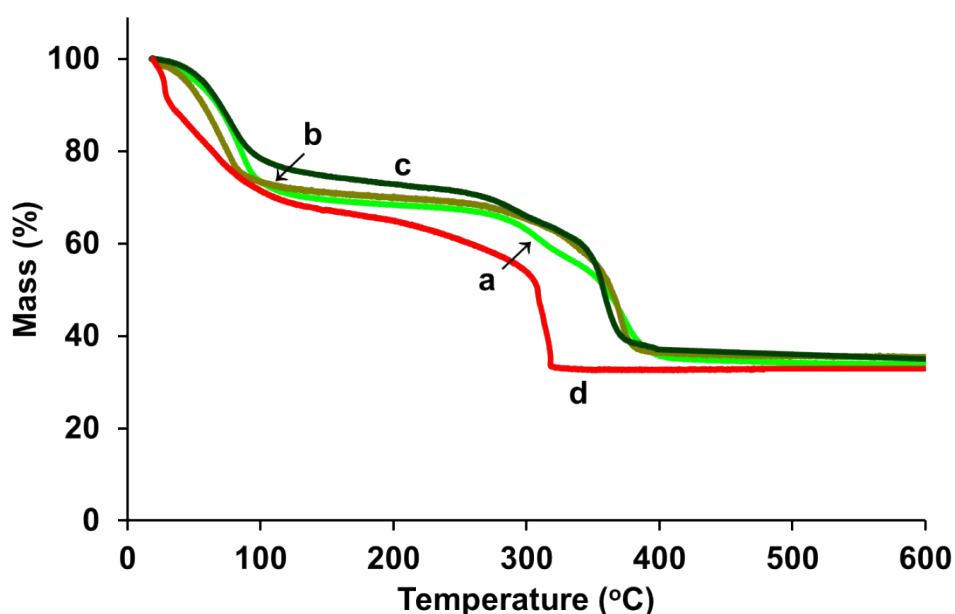


Table 1: Porcine coronary artery percentage relaxation induced by CPO-27 (Mg), CPO-27 (Ni), CPO-27 (Mg) 1% Ni and CPO-27 (Mg) 10% Ni.

% Relaxation (maximum)								
CPO-27 (Ni)		CPO-27 (Mg)		CPO-27 (Mg) 1% Ni		CPO-27 (Mg) 10% Ni		
+EC	-EC	+EC	-EC	+EC	-EC	+EC	-EC	
93.6	89.1	48.9	73.1	66.8	69.8	68.6	48.9	
95.1	89.1	56.1	61.5	45.2	77.1	68.4	77.7	
94.7	90.1	36.8	49.8	49.6	55.5	63.3	70.3	
92.1	96.8	21.3	25.2	41.6	61.9	74.2	83.4	
99.3	96.6	67.3	30.1	55.1	70.4	50.5	75.5	
94.9		60	54.7	51.2		67.2		
95.0	92.34	48.4	49.1	51.6	66.9	65.4	71.2	Mean
2.41	4.00	16.85	18.41	8.81	8.36	8.08	13.30	SD
0.98	1.79	6.88	7.51	3.60	3.74	3.30	5.95	SE

Table 2: Rate of porcine coronary artery relaxation induced by CPO-27 (Mg), CPO-27 (Ni), CPO-27 (Mg) 1% Ni and CPO-27 (Mg) 10% Ni.

Rate of relaxation (% relaxation/min)								
CPO-27 (Ni)		CPO-27 (Mg)		CPO-27 (Mg) 1% Ni		CPO-27 (Mg) 10% Ni		
+EC	-EC	+EC	-EC	+EC	-EC	+EC	-EC	
46.4	45.9	3.0	7.1	2.6	9.2	3.6	7.6	
40.8	74.6	4.1	3.5	2.9	14	0.7	12.8	
40.2	60	0.9	2.9	2.4	8.7	4.4	4.1	
70.2	58.8	2.5	3.1	2	13.1	5.6	5.5	
78.1	42.6	4.5	1.7	2.8	8.4	1.9	16.7	
43.8		4.0	2	1.7		3.9		
53.23	56.38	3.15	3.37	2.40	10.68	3.35	9.34	Mean
16.55	12.75	1.33	1.95	0.47	2.65	1.77	5.28	SD
7.40	5.70	0.54	0.80	0.19	1.19	0.72	2.36	SE