Supporting Information for

In vivo Anticancer Activity of a Rhodium Metalloinsertor in the HCT116 Xenograft Tumor Model

Stephanie D. Threatt,[‡] Timothy W. Synold, § Jun Wu⁴, and Jacqueline K. Barton^{‡,*}

*E-mail: jkbarton@caltech.edu

 ‡ Department of Chemistry and Chemical Engineering, California Institute of Technology, Pasadena, California 91125
§ Department of Medicinal Oncology & Therapeutics Research and [¢] Center for Comparative Medicine, City of Hope, Duarte, California 91010

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Supporting Experimental Section

Purification of Rhodium Metalloinsertor Compounds. The purification of Rh-PPO and Rh-PPE was modified from the literature preparations as follows: the crude reaction mixture of Rh-PPO or Rh-PPE was loaded onto a C18 SPE cartridge equilibrated with 15% acetonitrile in 0.1% TFA(aq). The concentration of acetonitrile was gradually increased and the complex eluted from the SPE cartridge with 25% acetonitrile in 0.1% TFA(aq) then dried *in vacuo*. The SPE purified complex was then dissolved in minimal acetonitrile before HPLC purification and filtered. Rh-PPO was purified by HPLC using an isocratic method of 75:25 MeCN:H₂O + 0.1% TFA over 60 min. Rh-PPE was purified by HPLC using a gradient elution from 85:15 to 5:95 ACN:H₂O + 0.1% TFA over 30 minutes. Peaks corresponding to the desired products were verified using ESI-MS and were collected using an automatic fraction collector or by hand. The chloride salts were obtained from a Sephadex QAE anion exchange column equilibrated with 0.1 M MgCl₂ and complex structure was verified using NMR.

Concentration Determination of Rhodium Complexes. A stock solution of each rhodium metalloinsertor was made in MilliQ water and a UV-Vis trace was recorded. The concentration of stock solution was then determined by using the Cary UV-Vis instrument, as well as molar absorptivity values from the literature.²¹ The following molar absorptivity values were used to estimate the concentration of Rh-PPO in water: UV–vis (H₂O, pH 7.0): 270 nm (122,400 M⁻¹ cm⁻¹), 300 nm (41,600 M⁻¹ cm⁻¹), 430 nm (12,300 M⁻¹ cm⁻¹). The following molar absorptivity values were used to estimate the concentration of Rh-PPE in water: UV–vis (H₂O, pH 7.0): 270 nm (165,800 M⁻¹ cm⁻¹), 300 nm (56,300 M⁻¹ cm⁻¹), 430 nm (16,100 M⁻¹ cm⁻¹).

Tumor Volume and Final Tumor Weights Analysis for Intratumoral Efficacy

Experiment. Female NSG mice (28-37 g) were injected subcutaneously with HCT116 cells (2.5 x 10^6) suspended in McCoy's media; 100 µL injections into the right flank. Tumors were allowed to grow until they reached ~90 mm³ (11 days). Mice were then randomly assigned to each

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treatment group with 5 or 10 mice in each, so each group had an average tumor volume of 80-90 mm³. Mice were assigned to the following treatment groups: saline (n=5) and Rh-PPO at 1 mpk (n=10). Rh-PPO was dissolved in saline at the MTD (1 mpk) and administered intratumorally based on the schedule outlined in Figure 6A. Saline was administered intratumorally to the control group based on the same schedule. Mouse body weights and tumor volumes were measured twice per week over the course of the study, and tumors were excised and weighed on day 18 of the study. Tumor volumes (TV) were estimated by measuring the width (W) and length (L) of the tumor using a digital caliper and calculated based on the following formula: $TV = W^2L/2$.

Rh-PPO Continuous Infusion Pharmacokinetic Studies. Initial in vivo studies with Rh-PPO utilized Alzet osmotic pumps (Cupertino, CA) to achieve continuous infusion of the drug. In these studies, osmotic pumps were filled with Rh-PPO at 1 mpk and implanted subcutaneously in four mice. Importantly, Mouse#1 and Mouse#2 received 2 mL, daily, subcutaneous infusions of saline for hydration. Mice were assessed for Rh-PPO plasma concentration by performing tail vein blood draws every 24 hr. After blood was collected, it was immediately transferred to heparinized blood collection vials on ice at time intervals of 24, 48, and 72 hr. The blood samples were centrifuged at 15,000 g at RT for 5 min, and the plasma supernatant was transferred to 1.5 mL microcentrifuge tubes and maintained at -80°C until analysis. Plasma samples were analyzed for Rh-PPO concentration using LC-MS/MS and results are displayed in Figure S1.

LC-MS/MS Analysis of Plasma Samples. Standard Rh-PPO and internal standard (INS) Rh-PPE solutions were made as needed and concentration determined via UV-Vis. Mouse plasma for preparation of standards and quality controls (QC) were obtained from BioChemed Services. LC-MS/MS analysis was performed using a Waters Acquity UPLC system (Milford, MA, USA) interfaced with a Waters Quattro Premier XE Mass Spectrometer. HPLC separation was achieved using a Luna 3µ Phenyl-Hexyl 100 x 2 mm column (Phenomenex,

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Torrance, CA, USA) proceeded by a Phenomenex Phenyl guard column (Torrance, CA, USA). The column temperature was maintained at 40°C. The mobile phase consisted of A (0.1% formic acid, 10% ACN in water) and B (0.1% formic acid in acetonitrile). The following gradient program was used: 0% B (0min, 0.3 ml/min), 8% B (3.2 min, 0.3ml/min), 60% B (4.0 min, 0.3ml/min), 85% B (5.5 min, 0.3 ml/min), 0% B (5.6 min, 0.3ml/min), 0% B (8.5 min, 0.3ml/min). The Total run time was 8.5 minutes. The auto-injector temperature was maintained at 5°C. The strong needle wash solution was 0.1% formic acid in 50% ACN and 50% water and the weak needle wash solution was 0.1 % formic acid and 10% ACN in water. The electrospray ionization source of the mass spectrometer was operated in positive ion mode with a cone gas flow of 25 L/hr and a desolvation gas flow of 900 L/hr. The capillary voltage was set to 0.7 kV for both Rh-PPO and INS (Rh-PPE), and the cone voltages were optimized to 45 V for Rh-PPO and 51 V for INS, respectively. The collision voltages were set to 48 V for both Rh-PPO and Rh-PPE. The source temperature was 125°C and the desolvation temperature was 480°C. A solvent delay program was used from 0 to 3.8 minutes and from 5.2 to 8.5 minutes for Rh-PPO and INS, to minimize mobile phase to flow to the source. MassLynx version 4.1 software was used for data acquiring and processing.



Figure S1. Plasma accumulation of Rh-PPO administered via continuous infusion is dependent on mouse hydration. Concentration of Rh-PPO in mouse plasma of NSG mice given continuous infusion doses of Rh-PPO at 1 mpk for 72 hr. Importantly, Mouse#1 and Mouse#2 received 2 mL, daily, subcutaneous infusions of saline. Amount of intact Rh-PPO detected in mouse plasma was analyzed via LC-MS/MS every 24 hrs for 72 hrs total. Continuous infusion was accomplished using an osmotic pump.



Figure S2. Significant accumulation of rhodium in tumors occurs after intratumoral Rh-PPO treatment. Rhodium uptake in HCT116 xenograft tumors from Efficacy Experiment # 3 mice receiving intratumoral injections. Rhodium accumulation in tumors was determined using ICP-MS analysis of tumors digested in nitric acid and normalized to initial tumor weight. The rhodium concentration of tumors from saline (n=5) and Rh-PPO at 1 mpk (n=10) treated mice was averaged with error shown as the standard error of the mean. Statistically significant difference between Rh-PPO and saline treatment group tumor rhodium content was found using Anova test; [#]P<0.005.

Datasets S1. In Vivo Tumor Weight Measurements

Saline i.p Tumor weight (g)	Rh-PPO 0.5 mpk i.p Tumor weight (g)	Rh-PPO 1 mpk i.p Tumor weight (g)	Oxaliplatin 7.5 mpk i.p Tumor weight (g)
0.91	0.805	0.872	0.642
0.783	0.574	0.701	0.868
0.905	0.525	0.686	1.032
1.071	0.76		1.009
	1.041	0.621	0.58
1.025	0.702		0.55
1.424	0.673	0.72	0.706
0.711	0.722	0.631	0.638
0.835	0.538	0.873	0.387
0.677	0.732	0.501	0.675

Intraperitoneal Tumor Weights – Raw Data

Note, blank cells indicate mouse died and tumor weight measurements were not collected.

Intratumoral Tumor Weights – Raw Data

Rh-PPO 1 mpk i.t. Tumor weight (g)	-
	0.111
	0.334
	0.197
	0.228
	0.274
	0.272
	0.236
	0.278
	0.11
Saline i.t Tumor weight (g)	
	0.356
	0.537
	0.45
	0.465
	0.428

Day 28	imor Vol (mm3)																		1930.529388						1944.6348		1624.139032			1845.883728									1505 012943				1613.091659					
Day 24	Tumor Vol (mm3) Tu									2111.229056								1869.482189	1215.516098		1774.37925	1843.510914			1126.824368		1569.767586		1548.532202	1230.11133			1607.395626	1867.5					1111 062668				1028.823894			1136.091575	1291.821336	ЛВЛ ВОЗИЛВ
Day 21	Tumor Vol (mm3)					2405.949741		1839.850112	1558.034322	1424.357456	1560.116064	1453.178606	2259.189296	1519.300139		1051.764525	1534.730488	1320.578213	1001.214006		1358.057955	1220.961375	1512.158472	1768.945647	989.4576125		1051.823225	1710.446634	1164.701741	967.612928	931.974331		1361.073526	1249.985839		1823.91875		4446 004666	817634176	1214.259688		1396.399516	375.417504			969.9802565	1113.073664	543 71583
Day 17	Tumor Vol (mm3)				1671.755261	1007.128		1045.606887	927.446409	837.714312	902.4836445	1002.11629	1275.183063	1067.17435		1022.7178	1010.673054	554.340956	940.253184		940.253184	907.352234	1067.127206	1190.394612	635.383728		839.838888	1171.307592	874.271554	779.414162	800.899438	2092.695552	719.114888	922.716	1599.251769	1296.166413		000 670470	491 720352	894 819528	767.629306	956.122398	586.8945355	1038.370094	1476.595908	747.070192	784.0717605	E11 6488
Day 14	Tumor Vol (mm3)				1123.406007	1007.128		768.4198515	658.148645	659.328646	545.7179	737.116875	715.96305	652.599497		533.77881	866.3152905	772.66875	390.3622285		740.6794035	611.17425	785.383424	1033.888544	473.326084		566.1199485	880.81047	578.601184	562.005368	610.364331	1555.295014	600.5593125	641.9000705	1325.0952	960.585808		201 JC 102	412 100822	652,404326	656.1429255	775.60875	385.2185005	921.243785	1050.732585	493.893486	562.856	200 1002
Day 10	Tumor Vol (mm3)				918.4794795	697.4147		609.162014	547.8027455	412.990711	320.533624	559.377158	537.103412	369.133888		401.6982375	521.235	456.715271	278.7883385	308.646134	498.331368	533.71045	654.112102	518.942225	447.800024		488.96	613.7856	439.000598	425.85102	554.32656	1039.20021	348.2781875	491.489856	954.236095	648.807432		444 ODE 404 E	214 908512	541 8934125	385.9015625	474.871875	331.236499	632.6331885	748.963138	317.76541	443.467086	072 00E070
Day 7	Tumor Vol (mm3)				623.379718	385.2814875	59.884101	525.430611	340.796862	246.652672	251.60845	386.1423865	371.4984	269.01		230.399225	332.616375	393.7298255	153.437372	268.485678	349.652601	407.1794	561.701412	375.581864	274.341888		325.408266	288.5301715	269.086776	270.5122575	381.85605	610.236792	176.644566	421.4250755	591.8520125	432.088664		111 500500	156 683868	421.30543	300.7280185	371.0314825	239.357025	509.6257105	509.096875	168.92326	375.10705	102 6440025
Day 3	Tumor Vol (mm3)				404.1005	305.8716	36.96	206.245771	246.116082	97.20375	133.6088765	174.609375	163.0153485	144.6658765		132.786572	208.9359375	262.6230375	78.7152	153.2681235	248.652468	168.114804	210.933008	251.787692	180.0914		149.4548955	220.651488	186.015744	179.5158855	213.69205	299.060562	120.089728	203.35785	341.565112	243.791832		2707 010	2 13.7070 68 152581	216.8656	125.375186	233.081289	126.5625	296.74645	421.082496	103.586784	280.09995	111 012/26
Day 0	Tumor Vol (mm3)	110.2824	129.264536	123.226774	267.67424	57.4749705	35.2915965	114.825852	158.468778	57.286368	70.2058475	92.5615125	70.9632	84.26048		63.963375	119.34	171.036504	56.5636135	82.79712	93.5631705	70.2462	138.742128	109.6021875	104.5766915		96.612388	146.4564	80.454951	72.3341025	87.214414	159.930581	40.886937	67.96449	158.92155	122.47937		00 06604	22 07 1168	112.071168	68.4176375	124.621893	47.08125	119.1285225	171.6890175	78.597307	150	78 502823
Saline		cage 1-#1	cage 1-#2	cage 1-#3	cage 9- #2	cage 15-#2	cage 16-#4	cage 2- #2	cage 3- #1	cade 3- #2	cade 3- #3	cage 6- #2	cage 15-#3	cage 16-#1	Rh-PPO 0.5 mpk	cage 4- #1	cage 4- #2	cage 4- #3	cage 5- #1	cage 5-#2	cage 6- #1	cage 6- #3	cage 14-#1	cage 15-#1	cage 16-#2	Rh-PPO 1 mpk	cage 7-#1	cage 7-#2	cage 8- #1	cage 8- #3	cage 8-#4	cage 9- #3	cage 9- #4	cage 13-#1	cage 13-#2	cage 13- #4	Availation 7.6 mak		cage 10- #1	cade 10- #3	cage 10-#4	cage 11-#1	cage 11-#2	cage 11-#3	cage 11-#4	cage 12-#1	cage 12-#2	race 12-#3

Datasets S2. In Vivo Tumor Volume Measurements

Intraperitoneal Tumor Volumes – Raw Data

Rh-PPO at 1 mg/kg intratumoral	Day 0	Day 1	Day 3	Day 5	Day 7
	Tumor Volume (mm3)				
cage 9- #1	25.817316	53.431805	127.1267	121.165632	181.912107
cage 15- #2	170.388631	252.0348415	310.629816	440.642528	411.737598
cage 16- #2	97.077232	240.206658	255.101275	245.7139825	203.2346695
cage 16- #1	56.628	153.7091495	223.4127375	273.9265155	267.964848
cage 18- #2	99.186976	218.095289	183.818368	0	0
cage 18- #3	84.9051555	240.9741165	229.7592945	276.187743	258.6293745
cage 19- #1	87.331328	253.1695185	236.6095815	427.84716	329.3558665
cage 19- #3	56.7952915	191.34515	367.180128	294.617088	342.0600465
cage 20- #1	92.318616	303.5484375	338.3901045	319.793076	367.0648
cage 24- #1	81.545724	304.370539	291.79892	180.59002	207.70075
Vehicle (saline) control intratumoral					
cage 21- #1	95.870776	198.443925	345.612366	370.26	407.48435
cage 21- #2	66.63686	130.011736	238.304288	273.996276	461.095488
cage 22- #1	129.260224	225.402775	317.04948	360.456778	648.445028
cage 22- #2	79.1109875	159.214944	291.9441465	340.726784	522.5935455
cage 7- #1	44.5327875	90.2994	185.3148375	221.380217	341.110132

Intratumoral Tumor Volumes – Raw Data

Note, blank cells indicate mouse died and tumor volume measurements were not collected.

Datasets S3. Intraperitoneal Mouse Body Weight Measurements

Intraperitoneal Mouse Body Weights – Raw Data

	Dav 0	Dav 3	Dav 7	Dav 10	Dav 14	Dav 17	Dav 21
Saline	Body weight(g)	Body weight(g)	Body weight(g)				
cage 9- #2	24.6	25.6	24.5	24.8	25.4	25.3	25.3
cage 15- #2	26	27	24.9	25.2	25.1	25.1	24.9
cage 16- #4	25.7	26.3	24	2 4	2 4	24	2 4
cage 2- #2	25	26	25.1	24.6	25.6	27.1	27.2
cage 3- #1	29.1	29.3	28.6	26.9	27.6	27.3	27.7
cage 3- #2	28.5	27.5	27.3	27.4	27.5	27	27.1
cage 3- #3	29.5	30	29.7	28.3	29.1	28.5	28.8
cage 6- #2	28	28.5	27.1	27.7	28.2	28.1	26.4
cage 15- #3	24	25.9	24.5	24.3	24.3	24.2	24.1
cage 16- #1	23.2	24.2	23.9	23.9	24.9	24.6	25.2
Rh-PPO 0.5 mpk							
cage 4- #1	26	27.1	27.7	21.8	26.2	25.5	24.7
cage 4- #2	25	25.4	25.4	25.6	24	26.4	24.6
cage 4- #3	26	27.9	26.7	26.8	26.8	27.9	25.5
cage 5- #1	28.8	28	27.9	26.6	27	25	28.6
cage 5- #2	27.4	28.4	26.5	24.5	24.5	<u>24.5</u>	24.5
cage 6- #1	26	25.9	25.8	25	26	25	24.7
cage 6- #3	26	25.1	23.3	24.1	25.6	25.3	25.4
cage 14- #1	27	27.1	26.1	23.9	23.9	25.4	23.2
cage 15- #1	25	25.1	25.3	25.3	24.8	26	25.7
cage 16- #2	26.7	26.3	26.3	27.4	21.7	25.6	26.8
Rh-PPO 1 mpk							
cage 7- #1	26.5	26	22.6	22.9	22.8	24.2	21.1
cage 7- #2	26.1	25.2	22.9	23.55	25.4	25	23.5
cage 8- #1	23	22	20.6	20.6	22.4	23.3	20.9
cage 8- #3	22	22.3	21.9	23.2	23.1	23.8	20.9
cage 8- #4	24	21.5	19.3	18.49	18.6	17.9	17.11
cage 9- #3	23.6	24.1	22.5	21.3	21.1	22.4	
cage 9- #4	26	24.1	22	23	24.2	24.8	22.9
cage 13- #1	26	25.3	23.4	21	23.8	25.1	26.8
cage 13- #2	26	25	23.6	24.1	24.7	24	2 4
cage 13- #4	24	23.8	21.9	22.1	24.3	24	25.1
Oxaliplatin 7.5 mpk							
cage 10- #1	25	25.6	23.5	24.2	22.7	22.7	23.3
cage 10- #2	25	25.9	24.9	25.6	23.9	24.1	24
cage 10- #3	25	27.1	23.5	24.2	22.9	22.2	21.4
cage 10- #4	27	27.8	25	25	22.4	23	23
cage 11- #1	26	26.5	24.8	24.9	23.3	24.6	22.4
cage 11- #2	25	26.8	24.4	25.1	23.4	23.6	22.4
cage 11- #3	27	27.6	25.4	25.3	22.8	24	2 4
cage 11- #4	23	24.4	22.1	22.7	22.5	22.3	22.3
cage 12- #1	25	25.2	24.8	25.4	24.1	24.6	23.4
cage 12- #2	24.2	25.8	23.7	24.2	21.4	22.5	22.2
cage 12- #3	25.8	25.9	23.6	23.7	21.9	23	22

Note, numbers in red with strikethrough represent mice who died during the study.

Datasets S4. ICP-MS Metal Content in Tissues and Tumors Data

	Concentration Rh (ppb) * dilution factor/ mg tumor	Concentration Pt (ppb) * dilution factor/mg tumor			
Vehicle (saline) control i.p.					
cage 1- #1	0.052482784	0.174745509			
cage 1- #3	0.022531228	0.042625976			
cage 2- #1	0.093664191	0.142277228			
cage 2- #3	0.037153341	0.065453461			
cage 4- #2	0.109776952	0.089832714			
cage 4- #3	0.07568267	0.080070258			
cage 1- #2	0.004738574	0.067641682			
cage 2- #4	0.006072531	0.024917695			
cage 4- #1	0.002875635	0.024974619			
Rh-PPO at 0.5 mg/kg i.p.					
cage 5- #3	0.200547143	0.226314286			
cage 6- #1	0.322616484	0.056967033			
cage 6-#2	0.094322674	0.044488372			
cage 6- #3	0.171555707	0.043967391			
cage 24- #2	0.208127395	0.062203065			
cage 7- #2	0.290863118	0.035437262			
cage 8- #2	0.197181122	0.008826531			
cage 17- #1	0.079676829	0.016707317			
cage 5- #1	0.15257176	0.016688588			
cage 5- #2	0.088366085	0.011910224			
Rh-PPO at 1 mg/kg i.p.					
cage 8- #3	0.134970226	0.07550308			
cage 9- #2	0.234481092	0.075420168			
cage 9- #3	0.269531504	0.048313008			
cage 11- #1	1.094359375	0.9578125			
cage 11- #2	0.244751572	0.058836478			
cage 11- #3.	0.406635922	-0.044368932			
cage 10- #1	0.301413093	0.043182844			
cage 12- #1	0.255026462	0.079610028			
cage 23- #2	0.257204013	0.04			
Oxaliplatin at 7.5 mg/kg i.p.					
cage 12- #2	0.043661877	3.105823755			
cage 12- #3	0.048279592	4.303673469			
cage 13- #1	0.03365097	2.330083102			
cage 13- #3	0.039495704	3.459725086			
cage 14- #4	0.072209424	4.384267016			
cage 16- #3	0.075027941	2.091			
cage 23- #1	0.048582105	3.251136842			
cage 14- #1	0.000952141	5.536246851			
cage 14- #2	-0.004772727	2.755787879			
cage 14- #3	0.000786585	2.245243902			

Rhodium and Platinum Content in Intraperitoneal Treated Tumors – ICP-MS Data

Rhodium and Platinum Content in Intratumoral Treated Tumors – ICP-MS Data

	Concentration Rh (ppb) * dilution factor/ mg tumor	Concentration Pt (ppb) * dilution factor/mg tumor
Rh-PPO at 1 mg/kg intratumoral		
cage 9- #1	5.922840426	-0.234893617
cage 15- #2	40.83617448	-0.025364583
cage 16- #2	26.32727273	-0.111931818
cage 16- #1	20.53647423	-0.007835052
cage 19- #1	11.42046333	-0.045666667
cage 19- #3	6.354634328	-0.152686567
cage 24- #1	23.76146947	-0.088549618
cage 18- #3	17.11177959	0.020081633
cage 20- #1	26.1112129	0.026064516
Vehicle (saline) control intratumoral		
cage 21- #2	0.158122356	0.016767372
cage 22- #1	0.10492284	0.002098765
cage 22- #2	0.12198419	0.031620553
cage 7- #1	0.033510843	0.018184739
cage 21- #1	0.050166906	0.025956835

	Concentration Rh (ppb) * dilution factor/ mg tumor	Concentration Pt (ppb) * dilution factor/ mg tumor
Oxalinlatin at 7.5 mg/kg i	n	
10#3 A1	0 17829945	242 919607
10#3 A3	0 094879348	443 0708903
10#3 B	0.008816889	342 7291784
10#3 D1	0 004114044	124 3464885
10#3 D2	-0.025683651	167 3286638
10#3 F1	-0.043280032	224 335784
10#3 F2	0.095076839	78 74368501
10#3 H	-0.003543336	12 44292709
10#1 A1	0 126506317	359 0415544
10#1 B	0 101263501	305 633639
10#1 D1	0.017931769	156 7277576
10#1 F1	0.010757841	113 858287
10#1 H	0.014587965	9 335616896
11#4 A1	-0.062400483	601 1345934
11#4 A3	-0.005571233	311 0945959
11#4 B	-0.004463519	390 7801062
11#4 D1	-0.031065713	374 4779474
11#4 F1	0.043973111	51 30132232
11#4 E2	-0.004523583	117.5325547
11#4 H	0.083906749	8.812573372
11#2 A1	0.169437977	106.6160663
11#2 A2	0.340750585	118.2702385
11#2 A3	0.062338557	113.899206
11#2 B	0.021722813	141.9773533
11#2 D1	0.015740738	43.02392895
11#2 D2	0.04528978	36,40353381
11#2 E1	0.020061231	21.83394386
11#2 E2	0.023902919	10.90924139
11#2 H	0 034607283	2 221601463

Rhodium and Platinum Content in Intraperitoneal Treated Tissues – ICP-MS Data

	Concentration Rh (ppb) * dilution factor/ mg tumor	Concentration Pt (ppb) * dilution factor/ mg tumor
Vehicle (saline) control i.p.	laoton/ mg tamor	luoton, mg tumor
3#1 A1	1 856486514	19 23619273
3#1 A3	4 799438355	6 295367395
3#1 B	11 36125269	1 995471773
3#1 C	3 013897888	48 94880637
3#1 D	1 447793281	10.59307808
3#1 F	2 120759553	3 704958679
3#1 H	0.065882936	10 77105334
3#1 HAIR	6 354828323	550 5596687
15#3 A1	0.023858391	4 145966125
15#3 A3	0.005993033	12 13183995
15#3 B	0.007557964	1 380781403
15#3 D1	0 25615475	10 46665026
15#3 D2	0.329158836	20 05541704
15#3 F	0 114416615	5 621444823
15#3 H	-0.003846825	3 882656789
9#2 Δ1	1 426893229	17 37924609
9#2 A3	0 137333992	6 08201788
9#2 B	0.051006264	5 492320148
9#2 D1	0 737777879	29 24023824
9#2 D2	0 643142941	23 52012595
9#2 F1	0 805770483	4 413523233
9#2 F2	0 248857236	2 701947997
9#2 H	0 02478345	3 953170803
	0102 11 00 10	
Rh-PPO at 1 mg/kg i.p.		
7#2 A1	38.0914265	5.804048038
7#2 A3	32.73457745	36.58183788
7#2 B	173.9853362	4.028755221
7#2 D	16.15486724	5.166148974
7#2 E	11.00520615	3.098016679
7#2 H	2.153127739	13.35097418
13#2 A1	10.35623497	14.36942475
13#2 A3	38.96588945	4.495299769
13#2 B	176.4218406	2.223283403
13#2 D1	15.02168215	6.548777844
13#2 D2	9.26298776	11.71885114
13#2 E1	13.39236568	7.171561355
13#2 E2	10.2622706	7.635733478
13#2 H	0.296102457	4.256441418
7#1 A1	10.77906918	<0.00
7#1 A3	23.01540005	<0.00
7#1 B	112 8607282	<0.00
7#1 D	18 43725262	<0.00
7#1 E	0.70725202	~0.00 <0.00
	0.407447046	~0.00 ~0.00
<i>1</i> #1 🗖	0.12/44/340	<i>∽</i> 0.00

Letters represent the following tissue code:								
A1/A2/A3.	Spleen, pancreas, kidneys							
В.	Liver							
C.	Heart, skeletal muscle, lungs							
D1/D2.	Small intestine, colon							
E1E2.	Stomach, cecum							
Н.	Brain							
I.	Tibia/Femur							

Datasets S5. LC-MS/MS Intraperitoneal Rh-PPO Plasma Concentration Data

Rh-PPO in Mouse Plasma (Dose 1mg/kg)	
Sample ID	Concentration (uM Rh-PPO)
0.5h-#1	0.188
0.5h-#2	1.56
0.5h-#3	0.191
1.0h-#1	0.129
1.0h-#2	0.35
2h-#1	0.285
2h-#2	0.469
2h-#3	0.226
4h-#1	0.171
4h-#2	0.228
4h-#3	0.123
8h-#1	0.0312
8h-#2	0.0255
8h-#3	0.0415
Rh-PPO in Mouse Plasma (Dose 0.5 mg/kg)	
Sample ID	Concentration (uM Rh-PPO)
0.5h-#1	1.069
0.5h-#2	0.267
4h-#1	0.0556
4h-#2	0.127
8h-#1	0.0031
8h-#2	0.0053