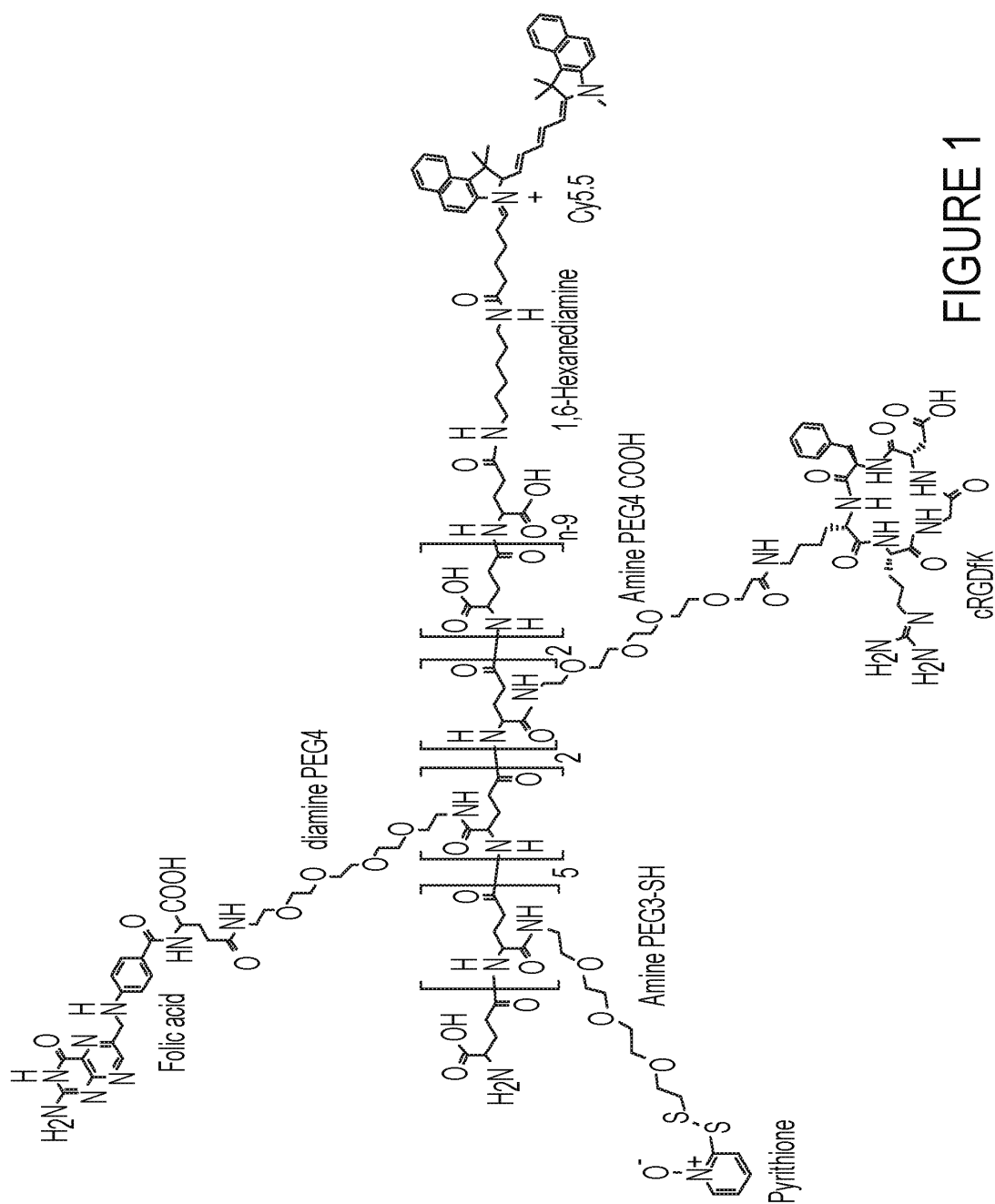




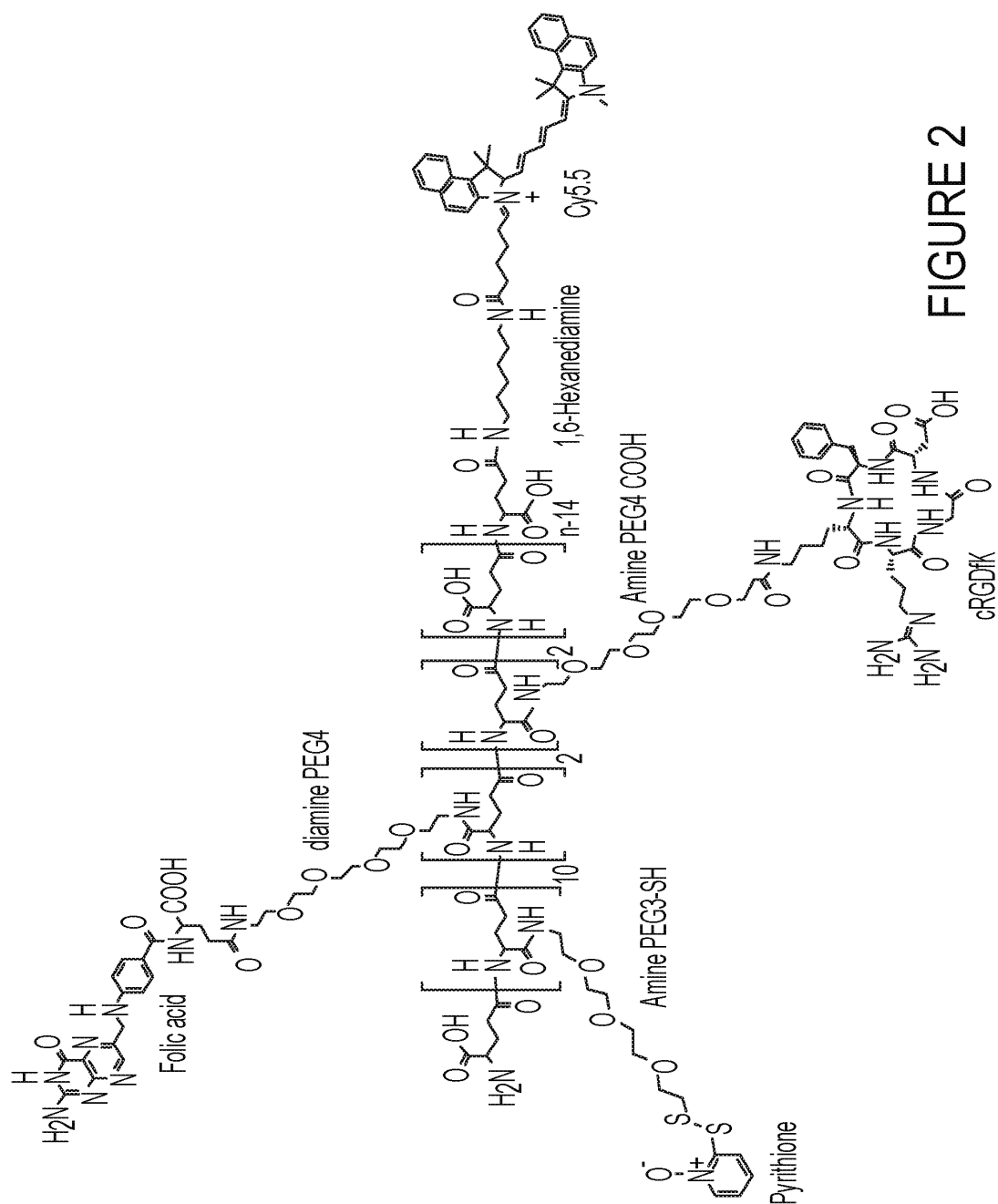


FIGURE 2

FIGURE 3

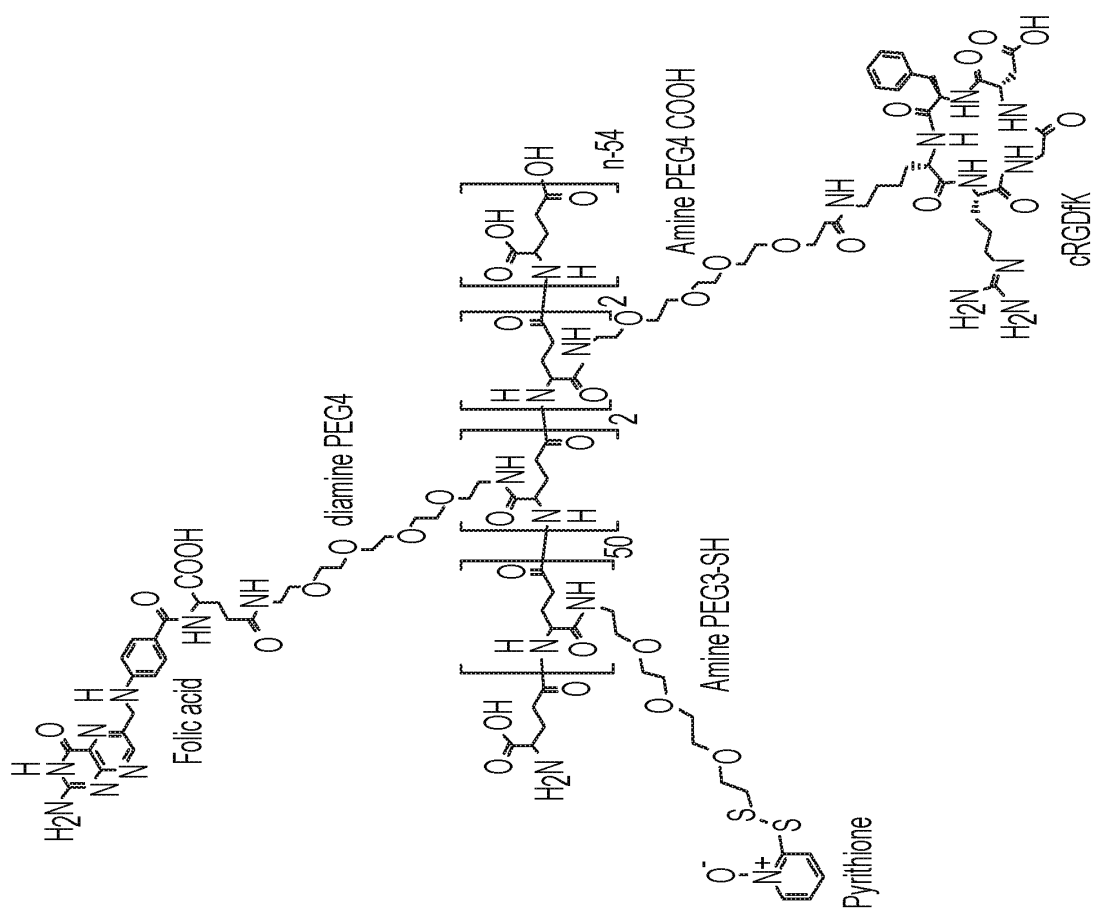


FIGURE 4

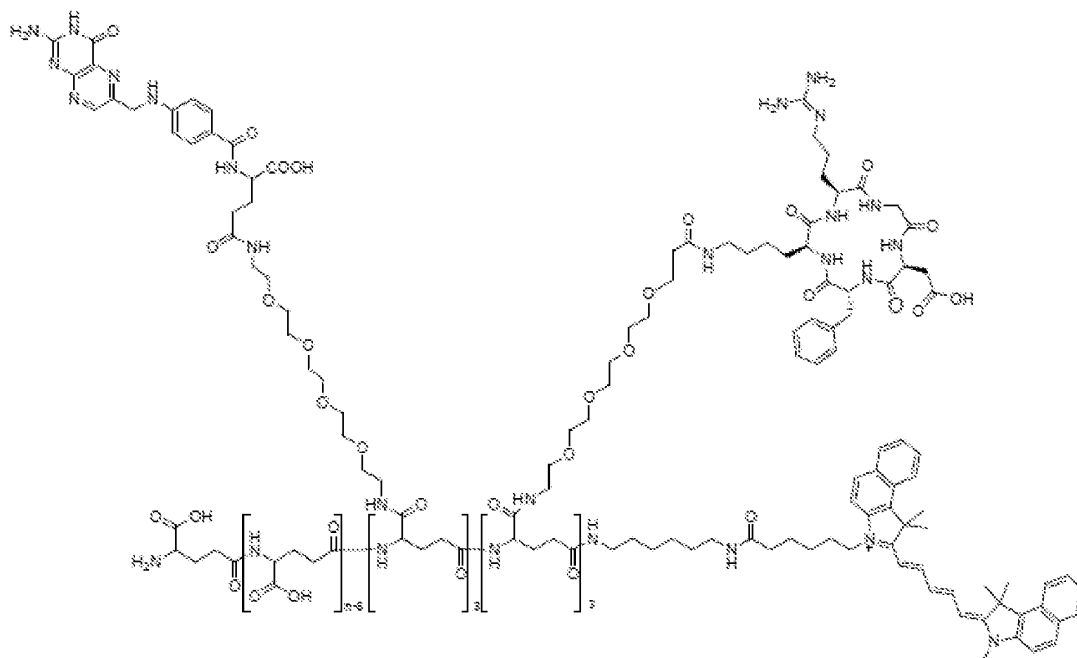


FIGURE 5A

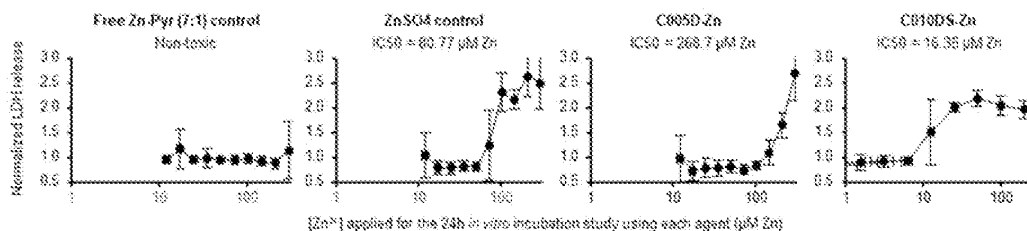


FIGURE 5B

Test Article	$[Zn^{2+}]$	Cell marker		% Cells marked (Std deviation)			
				Incubation time			
		A5	PI	1.5h	3h	6h	8h
ZnSO ₄ n=3	450 μM	-	-	7 (0.2)	13 (2.0)	16 (1.0)	14 (1.5)
		+	-	2 (0.5)	2 (0.2)	3 (0.7)	5 (0.2)
		-	+	24 (7.3)	18 (3.4)	9 (1.6)	18 (1.6)
		+	+	68 (6.9)	67 (4.6)	72 (2.0)	62 (2.3)
C005D-Zn n=3	600 μM	-	-	72 (6.7)	8 (0.7)	16 (1.4)	13 (1.2)
		+	-	1 (0.3)	4 (0.7)	6 (1.4)	5 (0.7)
		-	+	8 (4.0)	16 (8.6)	8 (1.8)	5 (0.5)
		+	+	19 (3.1)	72 (8.6)	70 (2.7)	77 (1.4)
C010DS-Zn n=3	50 μM	-	-	16 (1.0)	7 (0.5)	5 (1.4)	5 (4.3)
		+	-	4 (1.5)	4 (0.9)	7 (0.9)	6 (0.5)
		-	+	17 (4.1)	12 (1.4)	7 (1.7)	4 (0.4)
		+	+	63 (3.7)	77 (0.7)	81 (2.4)	86 (3.5)
Non-treated n=1	0 μM	-	-	89	89	89	90
		+	-	2	4	3	2
		-	+	4	3	3	3
		+	+	6	4	5	5

15% or greater value highlighted in grey

FIGURE 5C

E

Test Article	Top [Zn2+]	Time	Cell marker		% Cells marked (Std deviation)			
					Treatment strength (% top [Zn2+])			
			AS	PI	25%	37.5%	50%	100%
ZnSO4 n=3	450 µM 3h	-	-	-	92 (0.8)	91 (1.2)	93 (1.1)	78 (2.2)
		+	-	-	0.8 (0.2)	1 (0.2)	0.8 (0.3)	0.3 (0.1)
		-	+	+	8 (0.8)	5 (1.9)	8 (0.9)	18 (2.2)
		+	+	+	2 (0.3)	3 (0.5)	0.7 (0.3)	4 (1.1)
C005D-Zn n=3	800 µM 3h	-	-	-	77 (2.3)	85 (7.8)	23 (6.1)	23 (10.8)
		+	-	-	2 (0.3)	4 (2.2)	8 (3.7)	8 (1.4)
		-	+	+	12 (0.8)	14 (1.4)	30 (10.4)	28 (4.3)
		+	+	+	9 (2.2)	17 (8.6)	39 (12.9)	39 (13.5)
C010DS-Zn n=3	50 µM 3h	-	-	-	93 (1.0)	81 (1.7)	25 (9.5)	12 (4.3)
		+	-	-	1 (0.1)	1 (0.2)	8 (6.0)	1 (0.7)
		-	+	+	5 (0.6)	11 (0.9)	28 (11.4)	30 (5.5)
		+	+	+	1 (0.3)	7 (1.3)	41 (12.1)	57 (4.5)
Non-treated n=4	0 µM 3h	-	-	-	94 (1.0)	94 (1.0)	94 (1.0)	94 (1.0)
		+	-	-	1 (0.2)	1 (0.2)	1 (0.2)	1 (0.2)
		-	+	+	5 (0.8)	5 (0.8)	5 (0.8)	5 (0.8)
		+	+	+	0.5 (0.2)	0.5 (0.2)	0.5 (0.2)	0.5 (0.2)

15% or greater value highlighted in grey

FIGURE 5D

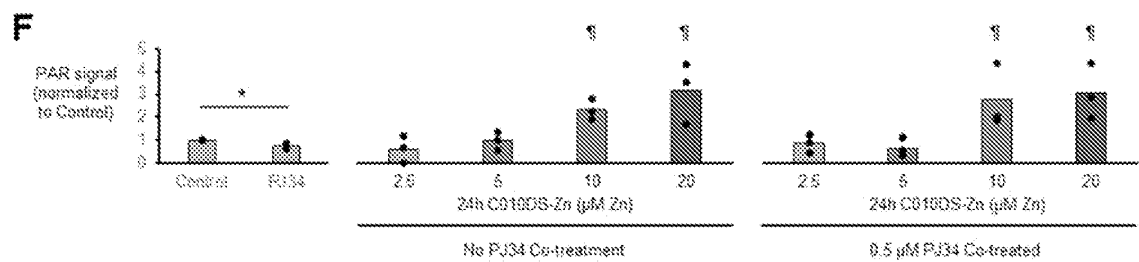


FIGURE 6A

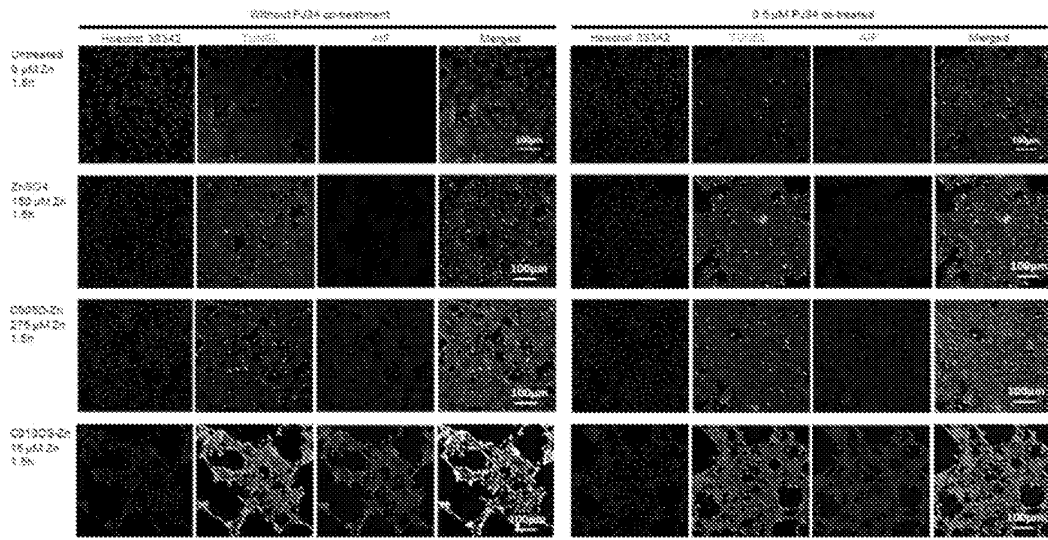


FIGURE 6B

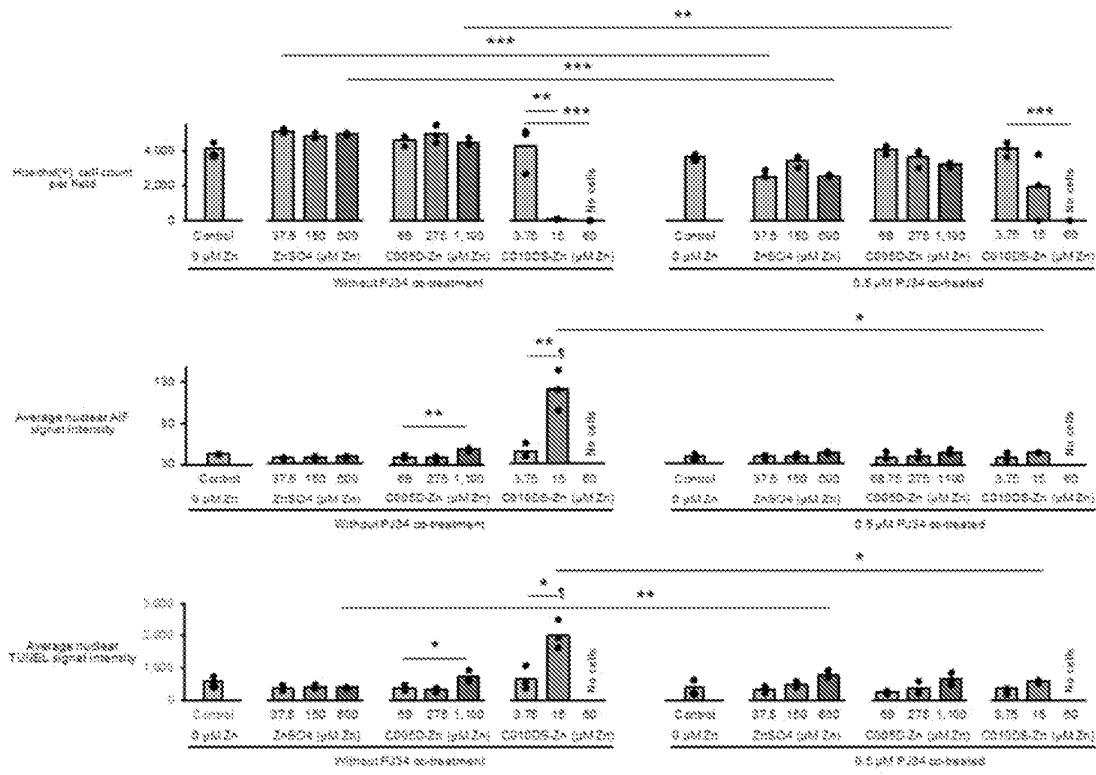


FIGURE 7A

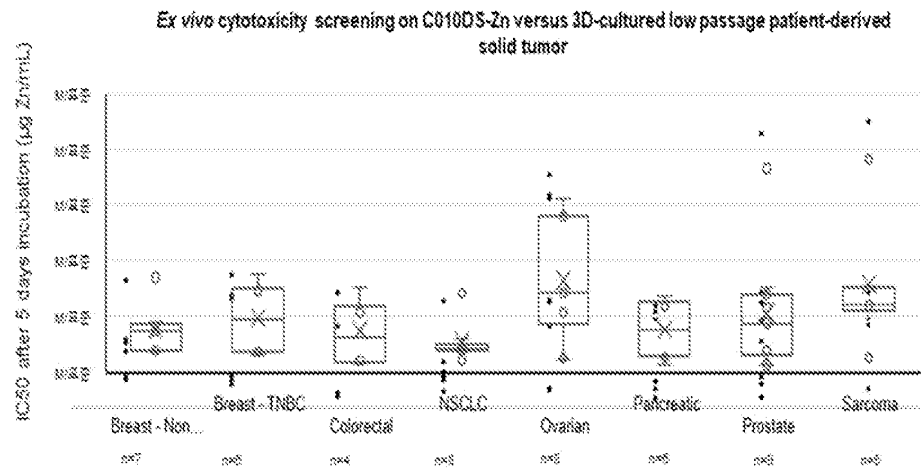


FIGURE 7B

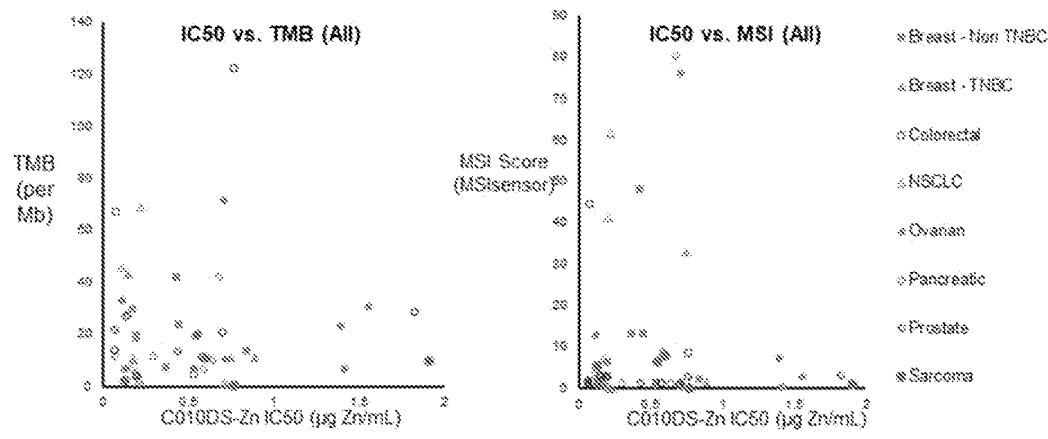


FIGURE 7C

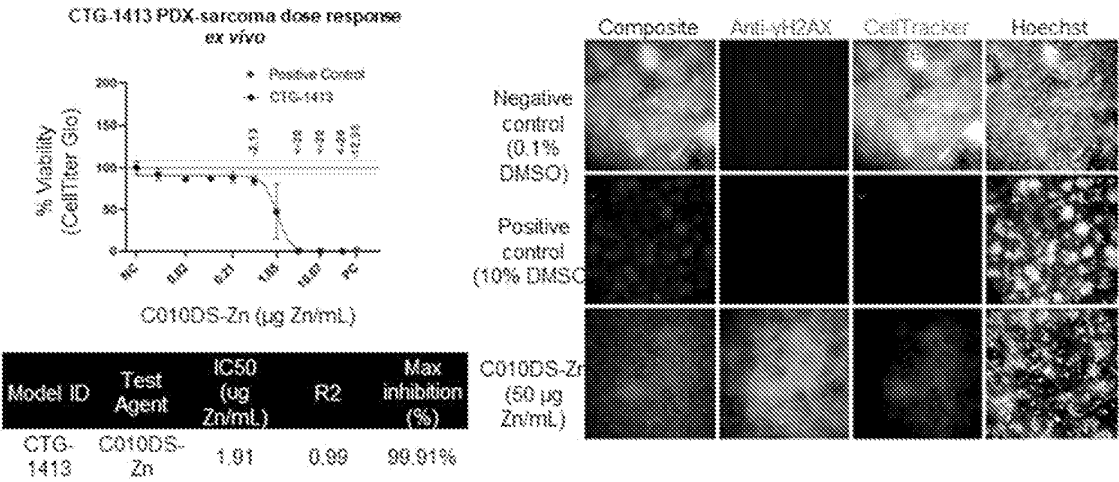


FIGURE 8

Fluorescence imaged anti- γ H2AX uptake in the PDX tumor fragments upon ex vivo treatment with 10% DMSO (PC) or C010DS-Zn at 50 μ g Zn/mL for 5 days

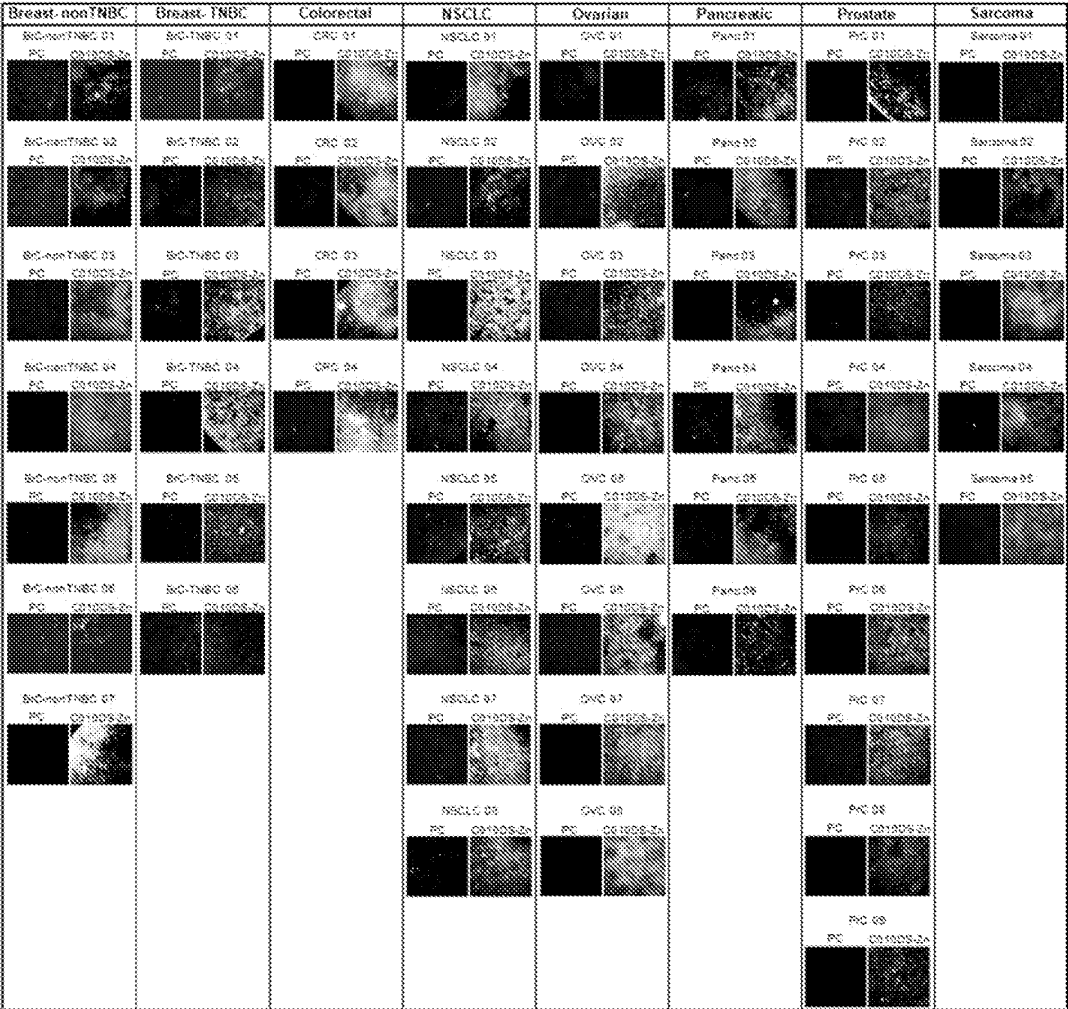


FIGURE 9A

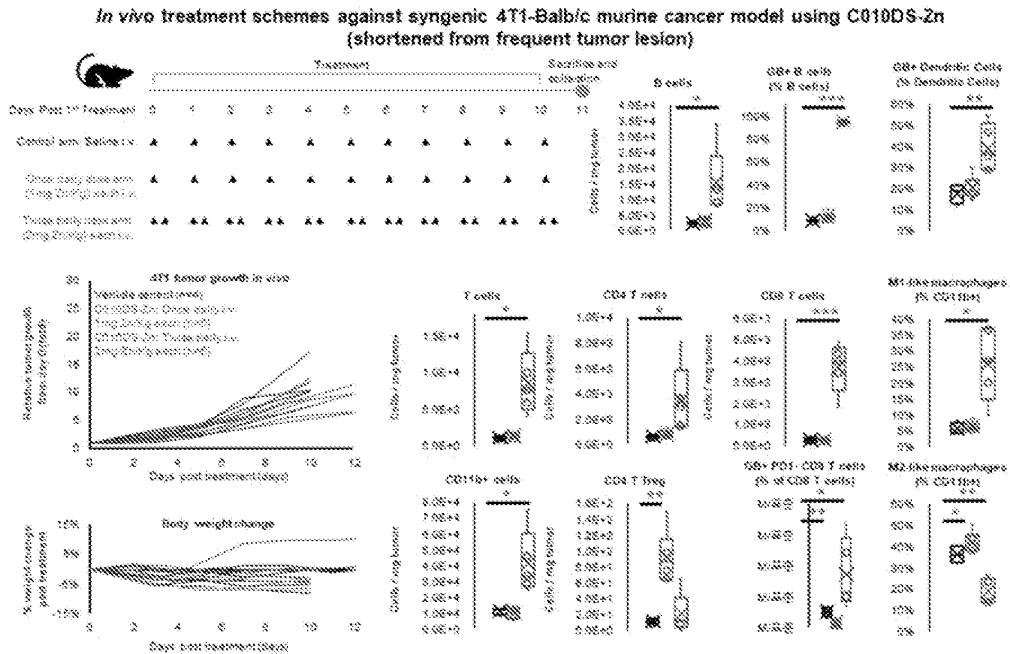


FIGURE 9B

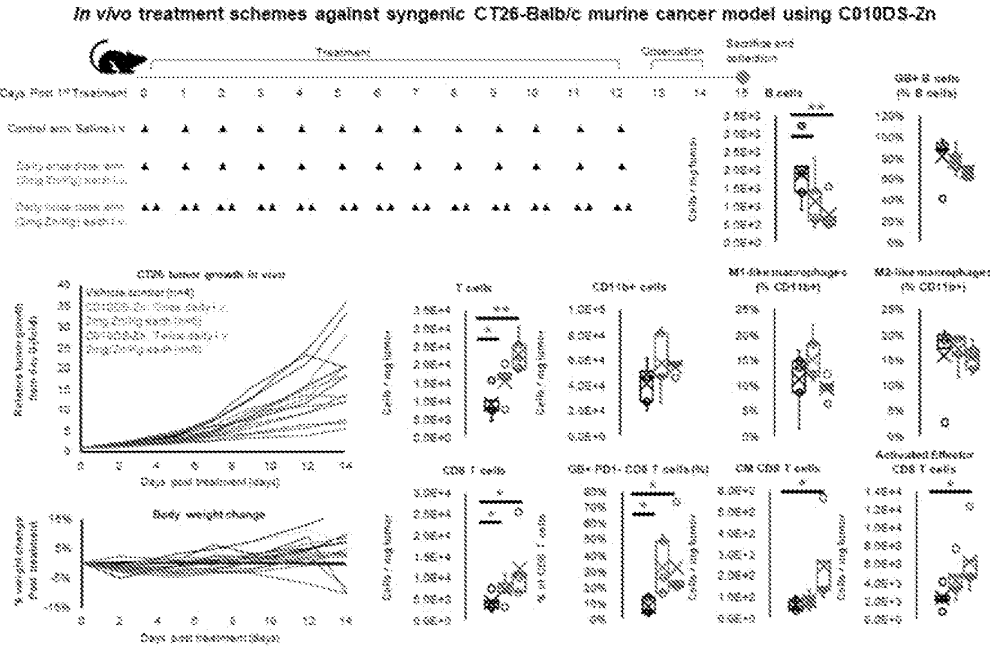


FIGURE 10A

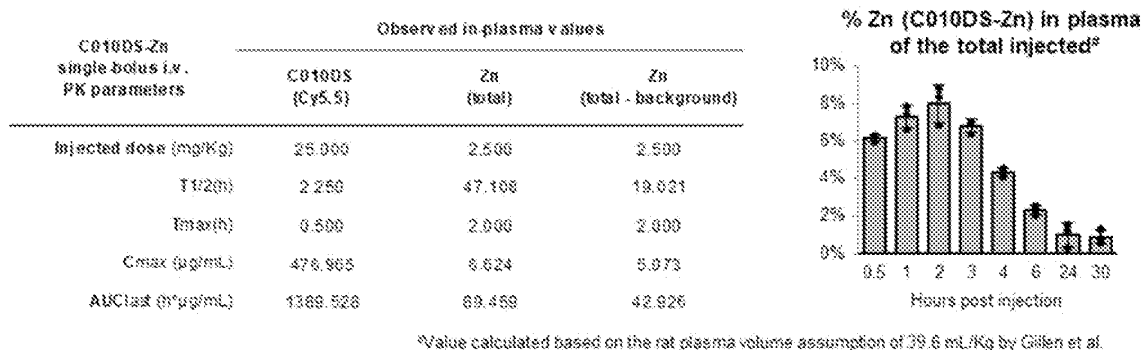


FIGURE 10B

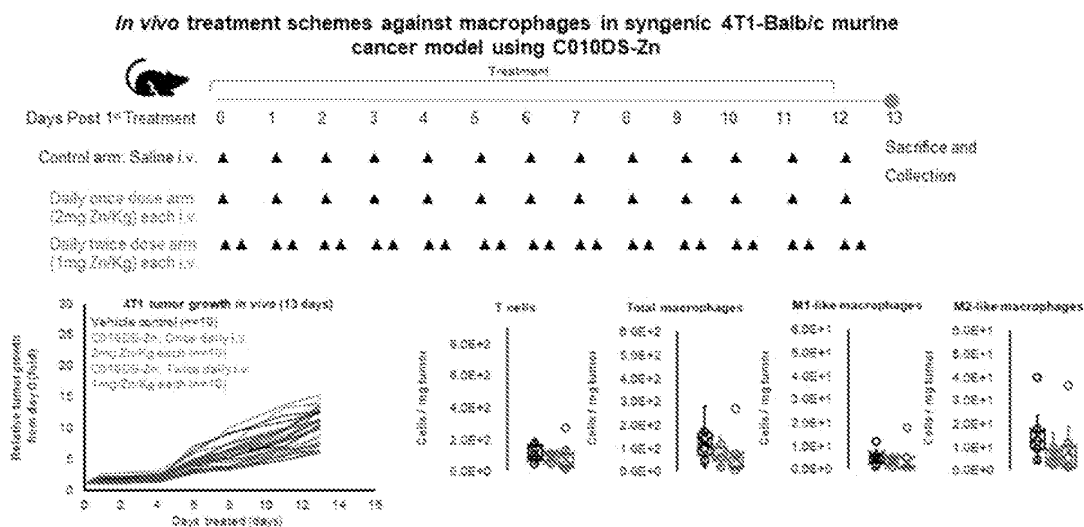


FIGURE 10C

