

Electronic Supplementary Data

Table S1. Data on calibration curve. ^a

	Calibration standard curve						Linear regression parameters		
							Slope	Y-intercept	r^2
Nominal conc. (nM)	50	100	200	300	400	500			
Measured conc. (nM)	49	102	201	305	407	489	1.24	2.10	0.9974
Recovery (%)	98	102	99	102	102	102			

^a All measured data values are expressed as mean of 3 repeats with coefficient of variation of $\leq 10\%$

Table S2. Intra- and inter-assay recovery and precision. ^a

	Oxaliplatin conc. (nM)	% Recovery	Precision (%C.V.)
Intra-assay	50	101	7.12
	200	107	4.35
	500	106	5.22
Inter-assay	50	102	3.30
	200	104	5.65
	500	103	4.39

^a All measured data values are expressed as mean of ≥ 5 repeats with coefficient of variation of $\leq 10\%$.

Table S3. Stability of oxaliplatin in MDP under different conditions. All data values are expressed as mean \pm standard deviation of 3 repeats.

Recovery (%) of oxaliplatin after indicated time					
On Ice	Time (h)	2	4		
		109 \pm 7	112 \pm 3.7		
At -80 °C	Time (day)	1	4	9	90
		104 \pm 4.1	110 \pm 6.9	111 \pm 4.6	98 \pm 1.3

Fig. S1. HPLC-ICP-MS chromatogram of stability samples of MDP containing oxaliplatin stored on ice for 4 h (A) and at -80°C for 90 days (B).

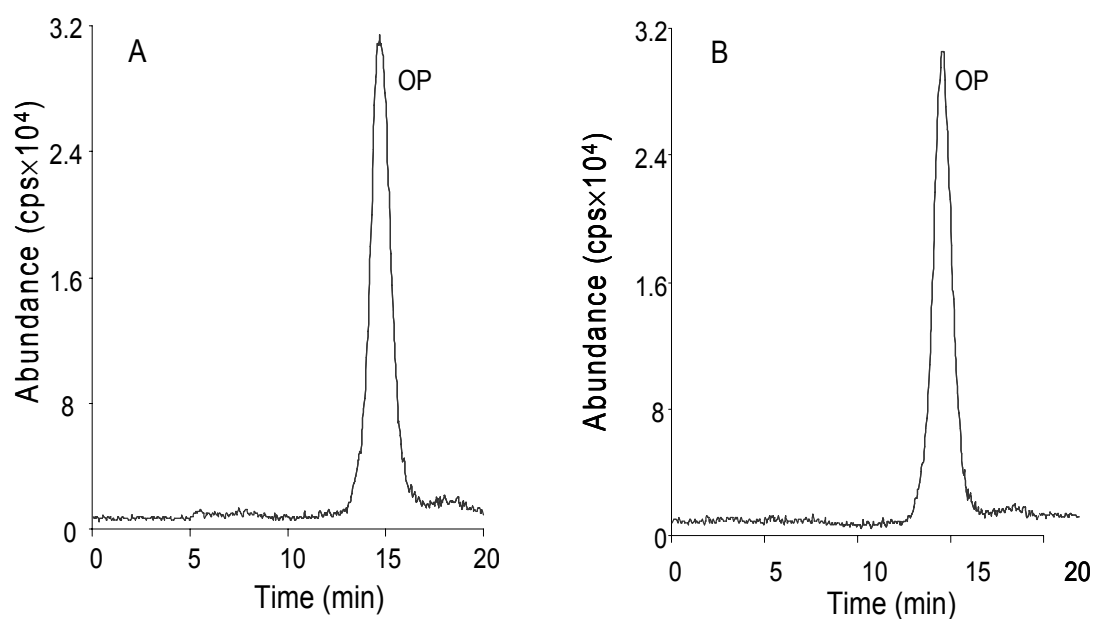


Fig. S2. Analysis of plasma from colorectal cancer patients showing concentrations of oxaliplatin during and after a 2-h infusion (A), and a chromatogram of 1-h post-infusion sample (B).

