

Figure 1: The effect of the concentration of the reagent on the color change of the reagent.

Figure 2: The effect of the concentration of the reagent on the color change of the reagent.

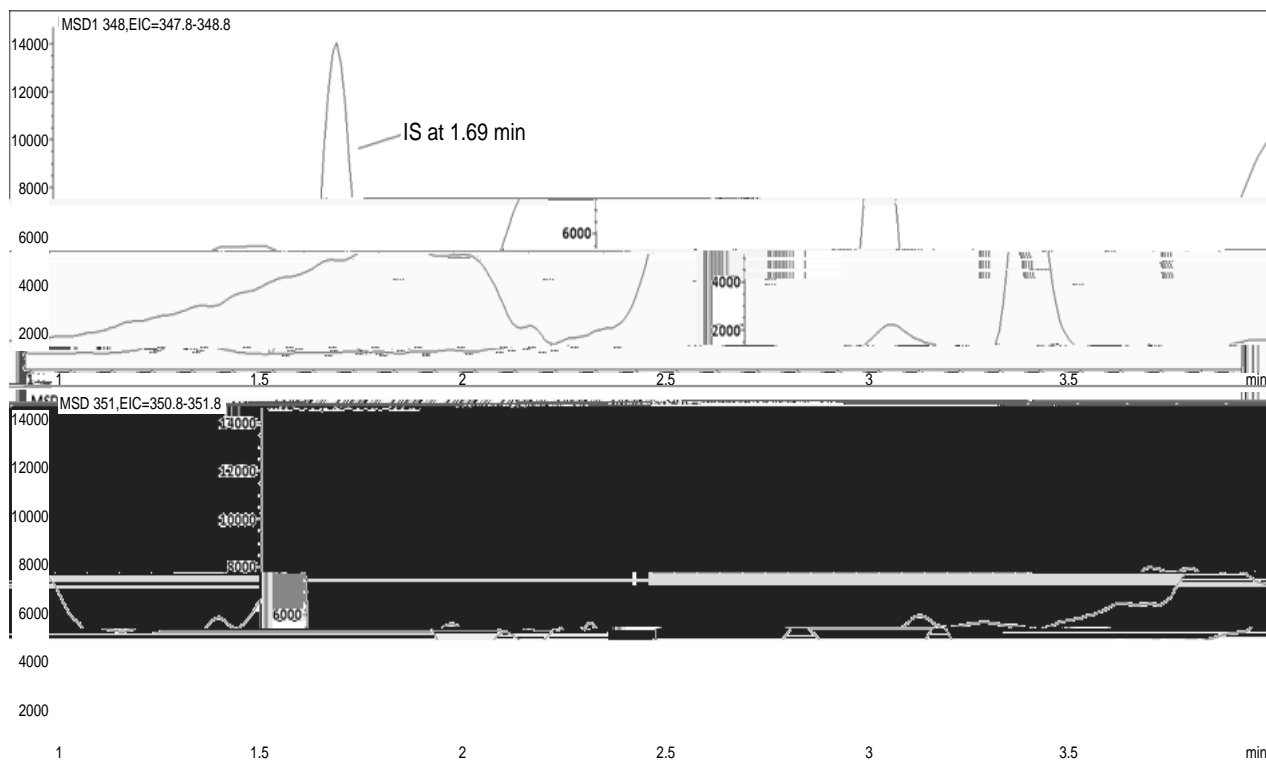


Figure 7: SIM chromatograph obtained from liver tissue of mice used as blank sample (arrow indicates the position of I.S. peak in the upper ion channel, no arrow of] [•æ& [] æ: [|^há)Ác@^Á [, ^!há [}Á&@æ}] ^É

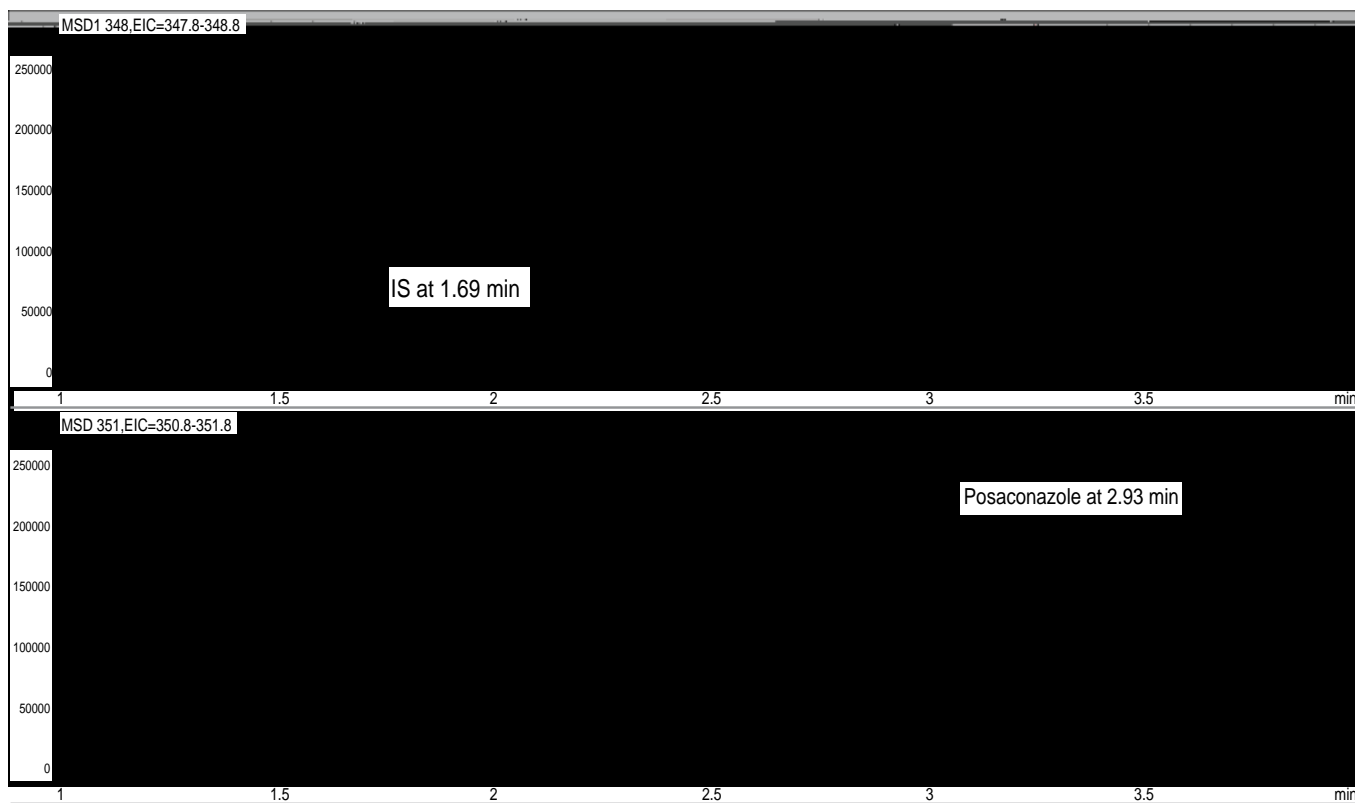


Figure 8: ÁÚÓ T Á&@! [{ æc [*!æ] @Á [äcæã] ^ä!-! [{ Á} [•cá [•^!jç^!Ácã••~^Á [-Á•æ { ^Á@~ { æ} Á} æcá^} cÁÇ] [•cá [!c^ { DNA} [•æ& [] æ: [|^ÁTÉ Í ÁÚ *D^Ácã••~^ÁÇFÉG Í ÁÚ *D { Š!@ [{ [*^} æc^ÁDÉ

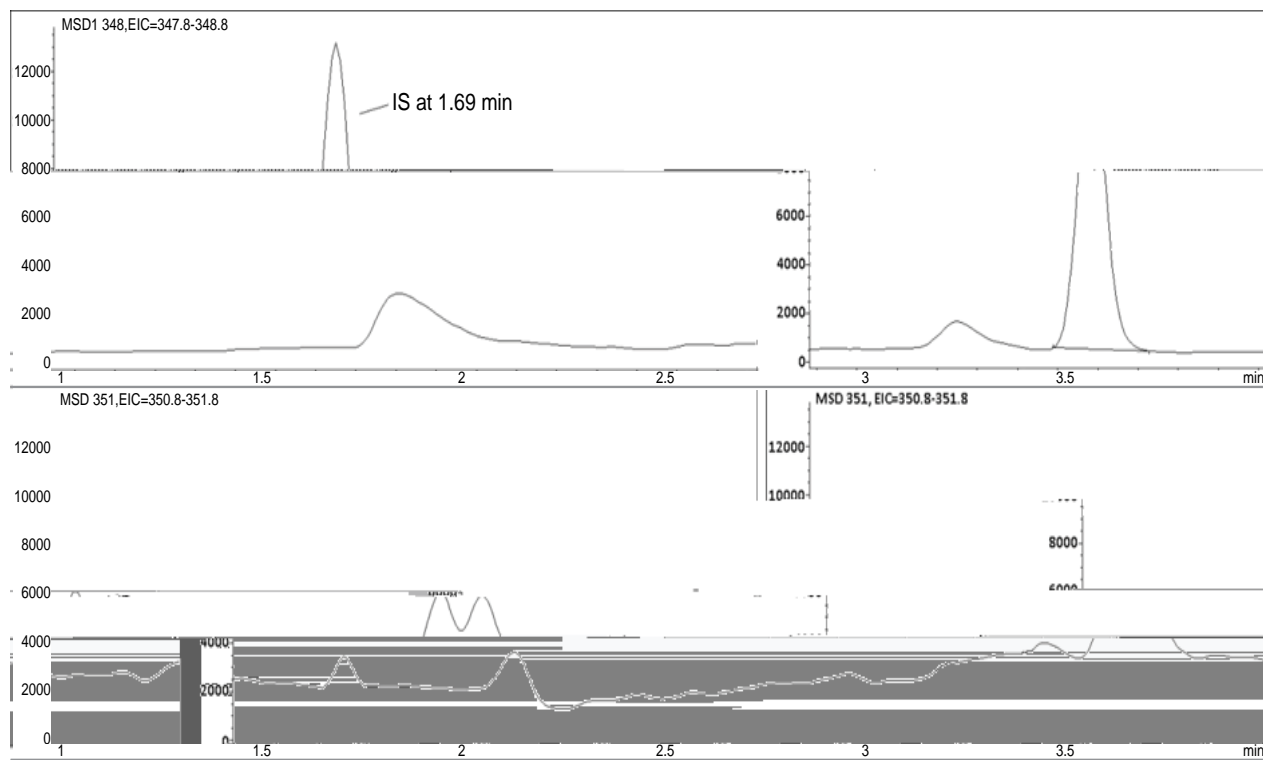


Figure 9: SIM chromatograph obtained from lung tissue of mice used as blank sample (arrow indicates the position of I.S. peak in the upper ion channel, no arrow of] [•æ& [] æ: [|^há}Ác@^Á [, ^!há [}Á&@æ} }^É

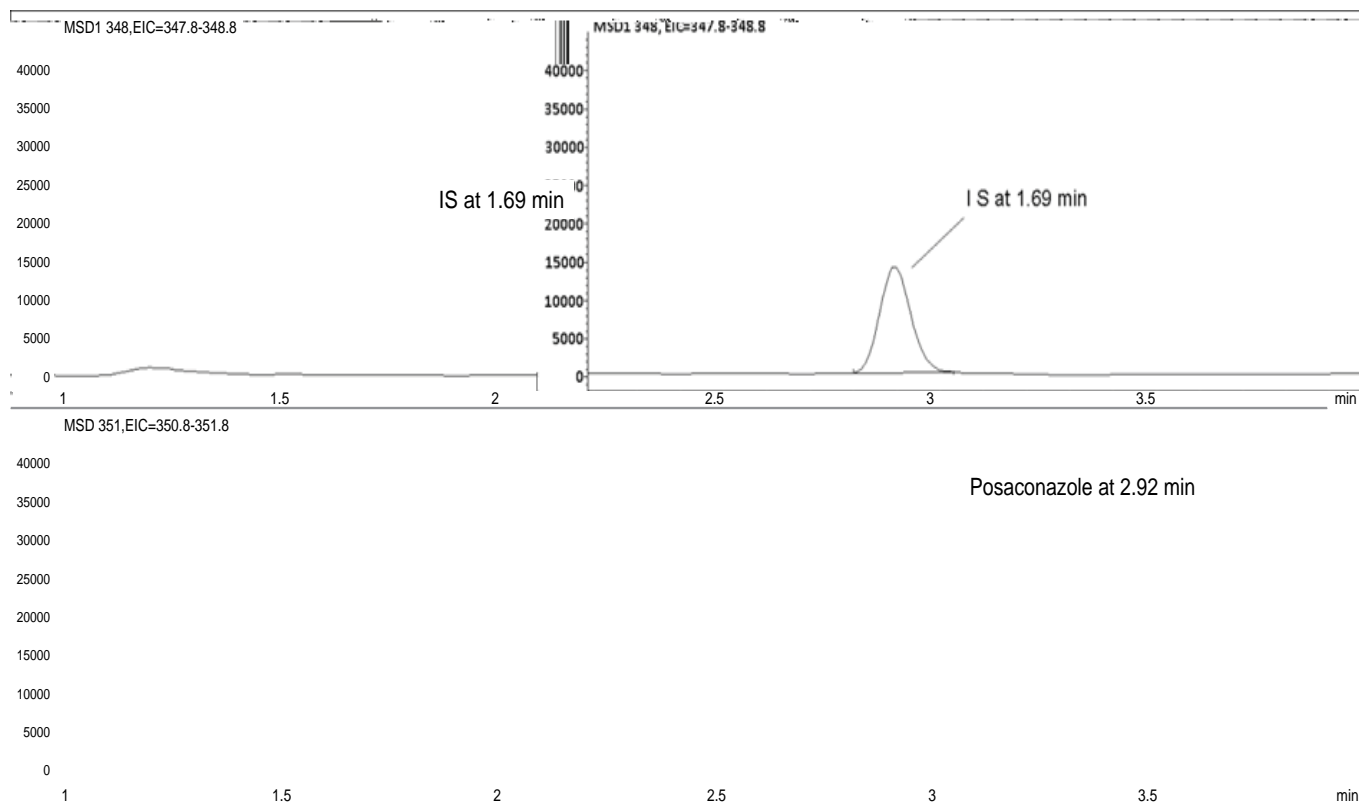


Figure 10: ÚÚT Á&@: [{ æc [*!æ] @Á [äccáä}^ä^!-: [{ Á [•c|ä [•^Á|~ } *Ácá••~^Á [-Á•æ { ^Á@~ { æ}Á} æcá^}c|ç [•c| [!c^ { DKÁ [] •æ& [] æ: [|^Á É Í HÁµ^D *Ácá••~^Áç€É Í Áµ^D { ŠÁ@ [{ [*^} æc^É

Citation: Öjéú^!æ, ÁÉÁÚ^cc^!••[}ÁTÉÁÓ|^} [, ÁU, Mattsson J, Eliasson E, et al. ÇG€F IDÁ Ú~æ) cáccáç^Á T^c@ [áÁ- [!Ác@^ÁÖ^c^! { á}æcá [}Á [-ÁÚ [•æ& []æ: [|^Á}Á T [~•^ÁV••~^•Á~•á} *ÁŠá~ ááÓ@! [{ æc [*!æ] @^É T æ••ÁÚ]^&c! [{ ^c! ^ÉÁRÁCE }æ]ÁÓá [æ]æ]ÁV^&@Á ÍKÁFJHÁá [æF€É Í FÍ GøGF Í ÉJ Í GÉF€€€FJH

Tissue	S low concentr	Measures height, mAU	Theoretical LOD concentration
Ó!æä}	0.48 mg/L	58000	€€€€ÍÁµ*Þ { Š
Liver	0.48 mg/L	45000	€€€€ÍÁµ*Þ { Š
Kidney	0.48 mg/L	75000	€€€€HÁµ*Þ { Š
Heart	0.51 mg/L	36000	€€€€ÍÁµ*Þ { Š
Lung	0.51 mg/L	20000	€€€FHÁµ*Þ { Š

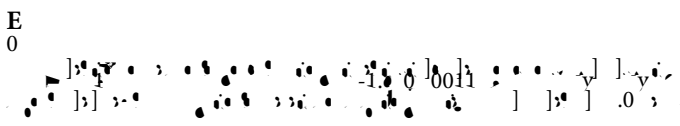
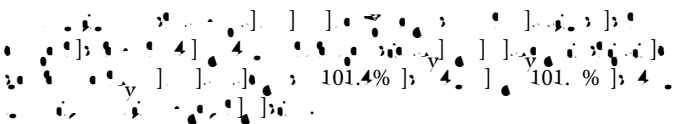
Table 1: ŠUÖÁ, æ••Á&æ&~!æc^ááæ•ÁHÁcá { ^•ÁÚÞDÉÁÉ^ÉÁæ }]! [çá { æc^!^ÁÍ€€Á { ÇEWÉ

	Standard nominal value (µg/mL)	Standard measured value (µg/mL)	Accuracy %
Ó!æä}	0	0	100.0
	0.48	0.44	JFÉİ
	2.42	2.36	JİÉÍ
	10.07	F€€€J	100.2
Liver	0	0	100.0
	0.48	0.55	114.6
	2.42	2.30	JÍ€€
	10.07	10.10	100.3
Kidney	0	0	100.0
	0.48	0.48	100.0
	2.42	G€HJ	JİÉİ
	10.07	10.08	100.1
Heart	0	0	100.0
	0.51	0.35	68.8
	2.54	2.75	108.3
	10.14	10.10	JJ€€
Lung	0	0	100.0
	0.51	0.52	102.0
	2.54	2.52	JJ€G
	10.14	10.14	100.0

Table 2: Accuracy and precision for the 5 organs were established from the æ)æ]~•á}Á [-Á•cæ] áæ:áá&~!ç^•Áæ} ááÚÖ•Áç} MÍDÉ

		Number of samples	Average value (µg/mL)	SD	CV%	Accuracy (%)
Ó!æä}	Low	5 x 5	1.07	0.03	3.27	101.45
	High	5 x 5	8.00	0.26	4.45	JİÉJ
Liver	Low	5 x 5	1.12	0.08	7.32	106.48
	High	5 x 5	5.17	€€FJ	5.03	103.66
Kidney	Low	5 x 5	1.12	0.03	G€J€	106.46
	High	5 x 5	6.52	0.18	2.68	107.60
Heart	Low	5 x 5	0.88	0.04	4.37	87.14
	High	5 x 5	7.17	0.37	5.35	113.20
Lung	Low	5 x 5	0.70	0.04	ÍÉJF	ÍJ€FG
	High	5 x 5	5.11	0.30	6.36	J€€GÍ

Table 3: Ú!^&á}á [}Áæ} ááæ&&~!æ&^Á- [!Áæ||Á, ç^Á [!*æ }Á}Á]^ }æ] !á&æ^Á- [!Ác@^Á}Á }c!æÉ day variations. The QC results showed a standard deviation <15% for all values obtained compared to the nominal values.



	Control	Nominal value (µg/mL)	Average value (µg/mL)	SD	CV %	Accuracy (%)
Ó!æä}	Low	1.05	1.06	0.05	ÍÉJF	101.0
	High	6.06	6.00	0.37	6.10	JJ€€
Liver	Low	1.05	1.13	0.12	10.64	107.6
	High	6.06	6.42	0.31	5.54	106.0
Kidney	Low	1.05	1.12	0.05	4.66	106.7
	High	6.06	6.52	0.32	ÍÉJF	107.6
Heart	Low	1.01	0.88	0.06	Í€€J	87.1
	High	6.33	7.17	0.50	7.01	113.3
Lung	Low	1.01	0.62	0.07	11.73	61.4
	High	6.33	ÍÉJİ	0.41	ÍÉJ€	Jİ€H

Table 4: Ú!^&á}á [}Áæ} ááæ&&~!æ&^Á- [!Áæ||Á, ç^Á [!*æ }Á}Á]^ }æ] !á&æ^Á- [!Ác@^Á}Á }c!æÉ day variations. The QC results showed a standard deviation <15% for all values obtained compared to the nominal values.

Organ	Matrix effect	Recovery	Process Efficiency
Ó!æä}	JİÁ	112%	111%
Heart	101%	105%	106%
Liver	100%	100%	100%
Lung	102%	JJÁ	101%
Kidney	102%	107%	F€JÁ
Human plasma	JİÁ	114%	112%

Table 5: T æ:áçÁ^~Á&cÉ!^& [ç^Á!^Áæ }Á}! [&^••Á^, &á^ }Á}!^ }Áæ||Á, ç^Á [!*æ }Áç} MHDÉ

Citation: Ø|ËÙ^!æ,Á|