

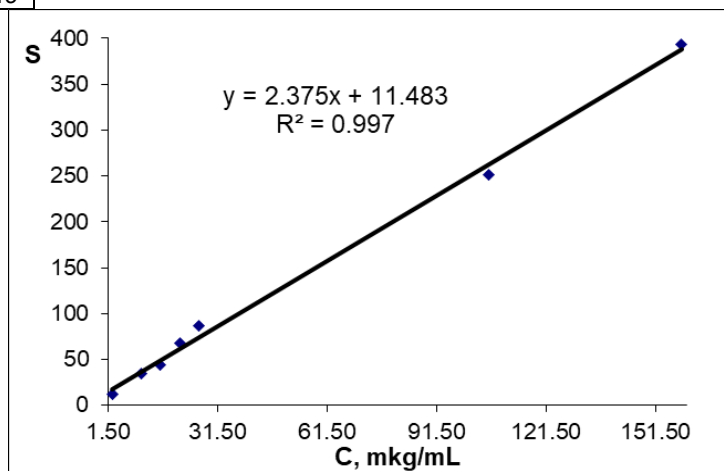
Supplementary Materials

**Liquid-phase Extraction and Electrophoretic
Determination of Heterocyclic Thioamides
in Human Body Fluid**

Victoria A. Ivolgina,* Margarita S. Chernov'yants, and Leonid D. Popov

5-mercapto-3-phenyl-1,3,4-thiadiazole-2-thione potassium salt (II)

C, mkg/mL	S
2,64	12,3157
10,58	34,5408
15,87	44,1179
21,15	68,004
26,44	86,5772
105,77	250,972
158,66	393,849



C, mkg/mL	S	LOD	X	Xmed	S	Sr
21,15	68,00	1,10	23,80	23,74	0,87	3,66
	66,79		23,29			
	66,58		23,20			
	67,80		23,71			
	70,21		24,73			

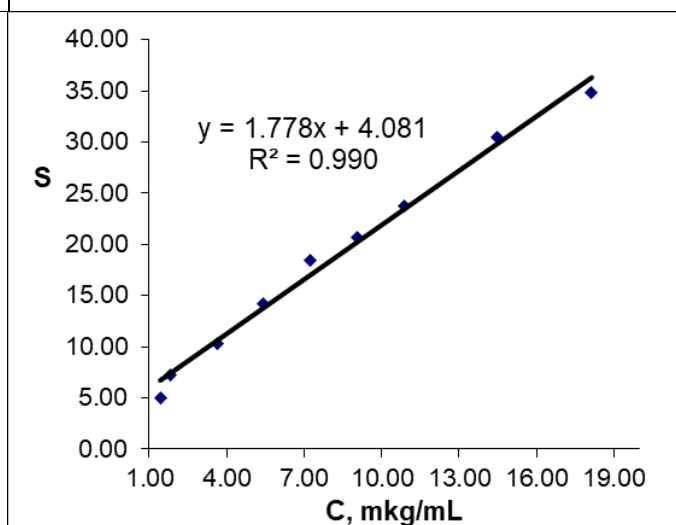
	S	X	Xmed	S	$\bar{x} \pm \frac{t_{p,f} \cdot S}{\sqrt{n}}$
spike - 2,64 mkg/mL	16,09	1,94	1,99	0,09	1,99±0,15
	16,138	1,96			
	16,423	2,08			

spike - 13,22 mkg/mL	38,13	11,22	11,38	0,23	11,38±0,39
	38,91	11,55			
	38,47	11,36			

spike - 132,22 mkg/mL	300,64	121,75	122,41	0,84	122,41±1,42
	303,442	122,93			
	302,516	122,54			

4-amino-5-(furan-2-yl)-4H-1,2,4-triazole-3-thione (III)

C, mkg/mL	S
1,45	4,98
1,81	7,27
3,62	10,32
5,44	14,21
7,25	18,49
9,06	20,72
10,87	23,70
14,50	30,48
18,12	34,80



C, mkg/mL	S	LOD	X	Xmed	S	Sr
7,25	27,93	1,18	13,41	13,67	0,39	2,88
	28,07		13,49			
	28,50		13,73			
	28,30		13,62			
	29,17		14,11			

	S	X
	9,91	3,28
spike - 3,62 mkg/mL	8,65	2,57
	8,00	2,20
	16,71	7,10
spike - 7,24 mkg/mL	17,08	7,31
	16,02	6,71
	27,52	13,18
spike - 14,5 mkg/mL	25,15	11,85
	26,34	12,52

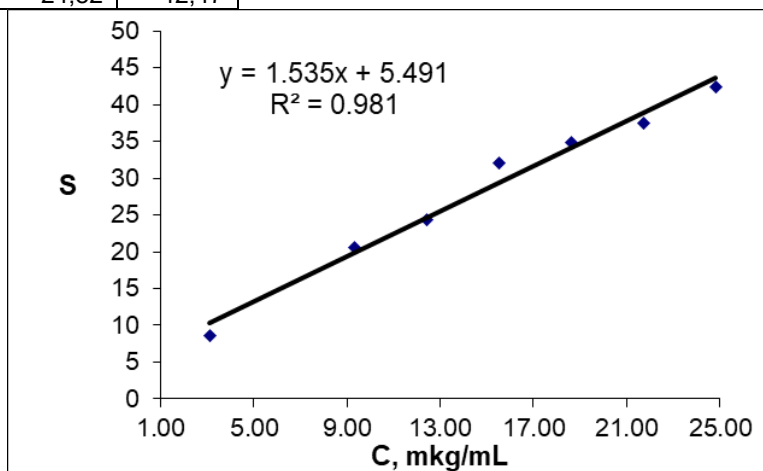
Xmed	S	$\bar{x} \pm \frac{t_{p,f} \cdot S}{\sqrt{n}}$
2,68	0,69	2,68±1,17

7,04	0,36	7,04±0,61
------	------	-----------

12,52	0,94	12,52±1,59
-------	------	------------

2-thioxo-5-(3,4,5-trimethoxybenzylidene) thiazolidin-4-one (I)

C, mkg/mL	S
3,10	8,54
9,31	20,58
12,41	24,4
15,52	32,1
18,62	34,85
21,72	37,42
24,82	42,47



C, mkg/mL	S	LOD	X	Xmed	S	Sr
18,62	34,96	1,49	19,20	19,34	0,76	3,95
	35,64		19,64			
	35,25		19,39			
	34,18		18,69			
	35,85		19,78			