

Table S1 Calibration equations, coefficients of determination and matrix effects for satratoxins in human serum

Compound	Matrix	Calibration Equations	r^2 *	LOD	LOQ	Matrix Effect (Mean \pm SD, $n = 5$)		
						1 ng/mL	5 ng/mL	20 ng/mL
Satratoxin H	Serum	$y = 8.33 \times 10^{-3}x - 6.39 \times 10^{-4}$	0.9998	0.1 ng/mL	1 ng/mL	$88.7 \pm 6.8\%$	$91.7 \pm 4.4\%$	$92.4 \pm 4.6\%$
Satratoxin H 12'-Acetate	Serum	$y = 5.56 \times 10^{-3}x + 2.79 \times 10^{-3}$	0.9992	0.1 ng/mL	1 ng/mL	$94.3 \pm 5.0\%$	$88.0 \pm 6.1\%$	$88.7 \pm 4.0\%$
Satratoxin H 13'-Acetate	Serum	$y = 6.16 \times 10^{-3}x + 9.64 \times 10^{-3}$	0.9998	0.1 ng/mL	1 ng/mL	$105 \pm 8.8\%$	$110 \pm 3.8\%$	$114 \pm 5.7\%$
Satratoxin H 12',13'-Diacetate	Serum	$y = 1.62 \times 10^{-2}x + 1.28 \times 10^{-2}$	0.9994	0.1 ng/mL	1 ng/mL	$95.4 \pm 13.1\%$	$101 \pm 5.2\%$	$107 \pm 4.7\%$

LOD limit of detection, *LOQ* limit of quantification, *SD* standard deviation

* Coefficients of determination