

Electronic Supplementary

Simultaneous determination of aconitine, mesaconitine, hypaconitine, bulleyaconitine and lappaconitine in human urine by liquid chromatography-electrospray ionization-tandem mass spectrometry

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Table S1. Data of calibration curves and LODs for the alkaloids in human urine.

Analyte	Correlation equation	Correlation coefficient (r^2)	Linear range ($\mu\text{g/ml}$)	LOD ($\mu\text{g/ml}$)
Lappaconitine	$Y=1\text{E}+07X+178918$	0.990	0.02-5.0	0.005
Mesaconitine	$Y=5\text{E}+06X-618175$	0.992	0.02-5.0	0.010
Hypaconitine	$Y=8\text{E}+07X-8\text{E}+06$	0.995	0.02-5.0	0.005
Aconitine	$Y=1\text{E}+08X-9\text{E}+06$	0.992	0.02-5.0	0.005
Bulleyaconitine	$Y=9\text{E}+07X-1\text{E}+07$	0.992	0.02-5.0	0.0025

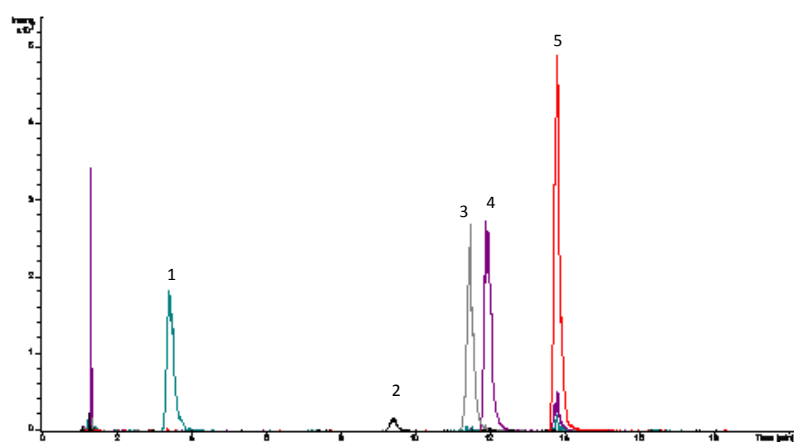


Figure S1. Chromatographic separation of the 5 alkaloids. 1. Lappaconitine; 2. Mesaconitine; 3. Hypaconitine; 4. Aconitine; 5. Bulleyaconitine.