ERRATUM

Erratum to: Study of in-vitro metabolism of selected antibiotic drugs in human liver microsomes by liquid chromatography coupled with tandem mass spectrometry

Malgorzata Szultka-Mlynska^{1,2} • Boguslaw Buszewski^{1,2}

Received: 13 October 2016 / Accepted: 13 October 2016 / Published online: 26 October 2016
© Springer-Verlag Berlin Heidelberg 2016

Erratum to: Anal Bioanal Chem
DOI:10.1007/s00216-016-9929-6

Unfortunately, there was a mistake in Table 2 and Fig. 4 of this contribution. Please find the correct Table 2 and Fig. 4 below.

The online version of the original article can be found at <http://dx.doi.org/10.1007/s00216-016-9929-6>.

✉ Malgorzata Szultka-Mlynska
szultka.malgorzata@wp.pl

¹ Department of Environmental Chemistry and Bioanalytics, Faculty of Chemistry, Nicolaus Copernicus University, Gagarin 7, 87-100 Torun, Poland

² Center for Modern Interdisciplinary Technologies, Nicolaus Copernicus University, Wilenska 4, 87-100 Torun, Poland

Table 2 The retention times, mass characteristics and elemental composition of the $[M + H]^+$ of studied antibiotic drugs and their potential metabolites.

Compound	Metabolites	Chemical structure	Retention time (min)	$[M+H]^+$	MS/MS fragments	Elemental composition	Metabolic reaction	Prediction by
CIP $m/z=332$ 	CIP-M1		4.23	288	172, 245, 261	$C_{16}H_{18}FN_3O$	Decarboxylation	HLM, urine sample, Caco-2
	CIP-M2		3.59	508	287, 315, 319	$C_{23}H_{26}FN_3O_9$	Glucuronidation	HLM, Caco-2
FLU $m/z=307$ 	FLU-M1		4.15	323	175, 273	$C_{13}H_{13}F_2N_6O_2$	Hydroxylation	HLM, urine sample, Caco-2
GEN $m/z=478$ 	GEN-M1		9.63	520	216, 360, 365	$C_{23}H_{45}N_5O_8$	Acetylation	HLM, urine sample, Caco-2
	GEN-M2		11.47	654	318, 321	$C_{27}H_{51}N_5O_{13}$	Glucuronidation	HLM, Caco-2
KLI $m/z=425$ 	KLI-M1		6.12	411	327, 363	$C_{17}H_{31}ClN_2O_5S$	S-dealkylation	HLM, urine sample, Caco-2
	KLI-M2		5.67	411	375, 393	$C_{17}H_{31}ClN_2O_5S$	N-dealkylation	HLM, urine sample, Caco-2
	KLI-M3		4.94	441	393, 405, 423	$C_{18}H_{33}ClN_2O_6S$	S-oxidation	HLM, urine sample, Caco-2
MET $m/z=172$ 	MET-M1		4.25	142	97, 112	$C_6H_{11}N_3O$	Reduction of nitro groups	HLM, Caco-2
	MET-M2		3.98	188	95, 126	$C_6H_9N_3O_4$	Oxidation of aliphatic chains	HLM, urine sample, Caco-2
	MET-M3		3.66	348	127, 142	$C_{12}H_{17}N_3O_9$	Glucuronidation	HLM, Caco-2

Fig. 4 Total ion chromatograms and mass spectra of gentamicin and their potential metabolites after incubation with Caco-2 cell line: **(a)** after 6 h, **(b)** after 12 h, **(c)** after 24 h, **(d)** UV chromatogram after 12 h and 24 h. Mass spectrometric detection was carried out in ESI(+) mode