

Erratum

Erratum to “A simple and sensitive bioanalytical assay for simultaneous determination of omeprazole and its three major metabolites in human blood plasma using RP-HPLC after a simple liquid–liquid extraction procedure”
[J. Chromatogr. B 844 (2006) 314–321]

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Available online 20 February 2007

The Authors regret that the following errors occurred in the paper listed above:

In Table 2, in the first column (‘Analyte’) “omeprazole sulphone” should read “omeprazole” and “omeprazole” should read “omeprazole sulphone”. Likewise, in Table 3, in the first column (‘Compound’) “omeprazole sulphone” should read “omeprazole” and “omeprazole” should read “omeprazole sulphone”.

In Figs. 3–5 each of the “OPZ-SFN” peaks should be labelled “OPZ” and the “OPZ” peaks should be labelled “OPZ-SFN”.

In the legend shown in Fig. 6, “omeprazole sulphone” should be replaced with “omeprazole” and “omeprazole” should be replaced with “omeprazole sulphone”

Please find the corrected tables and figures below.

Table 2
Summary of linearity (range, slope, r^2 , and intercept values), analyte retention times, and extraction efficiency (%)

Analyte	Linearity				Retention time (min)	Extraction efficiency (%)
	Range (ng/mL)	r^2	Slope \pm SD	Intercept \pm SD		
5-hydroxyomeprazole	2–2000	0.999	0.14 \pm 0.01	0.01 \pm 0.61	4.3	103
Phenacetin (IS)					5.4	ND
Omeprazole	2–2000	0.999	0.43 \pm 0.02	–0.16 \pm 1.84	7.4	81
Omeprazole sulphone	2–2000	0.999	0.39 \pm 0.02	0.82 \pm 1.66	7.9	84
Omeprazole sulfide	2–2000	0.999	0.50 \pm 0.01	–7.06 \pm 4.71	10.4	89

DOI of original article: [10.1016/j.jchromb.2006.07.047](https://doi.org/10.1016/j.jchromb.2006.07.047).

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Table 3
Summary of accuracy and precision during method validation at low, medium and high concentrations

Compound	Precision (%)		Within-day C.V. (%) <i>N</i> =3	Between-day C.V. (%) <i>N</i> =9
	Concentration (ng/mL)	Accuracy (%)		
5-Hydroxyomeprazole	7.5	103	7.7	4.7
	25	99	1.9	0.6
	75	96	4.4	5.3
	750	98	0.7	0.7
Omeprazole	7.5	105	4.9	0.5
	25	101	3.9	3.3
	75	98	3.4	1.1
	750	99	1.2	2.3
Omeprazole sulphone	7.5	106	4.9	2.9
	25	104	3.2	3.2
	75	95	3.3	0.4
	750	95	0.6	3.4
Omeprazole sulfide	7.5	103	2.1	6.7
	25	98	7.5	6.3
	75	101	3.5	5.2
	750	106	3.0	0.4

C.V.: coefficient of variation.

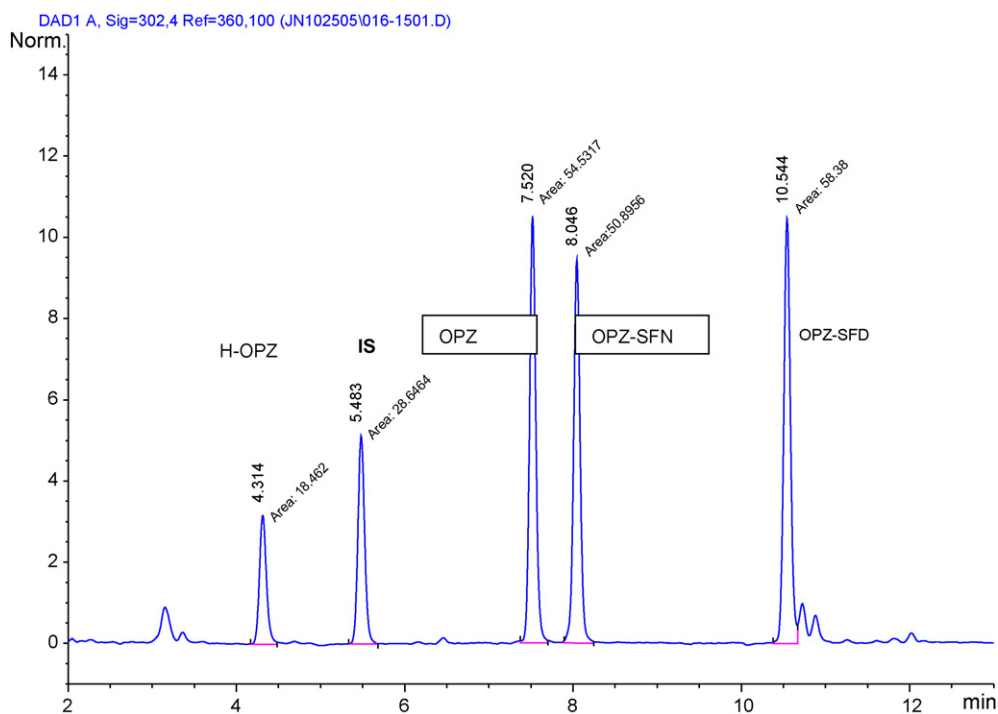


Fig. 3. Chromatogram of 100 ng/mL of omeprazole (OPZ), 5-hydroxyomeprazole (H-OPZ), omeprazole sulphone (OPZ-SFN), omeprazole sulfide (OPZ-SFD), and the internal standard phenacetin (IS).

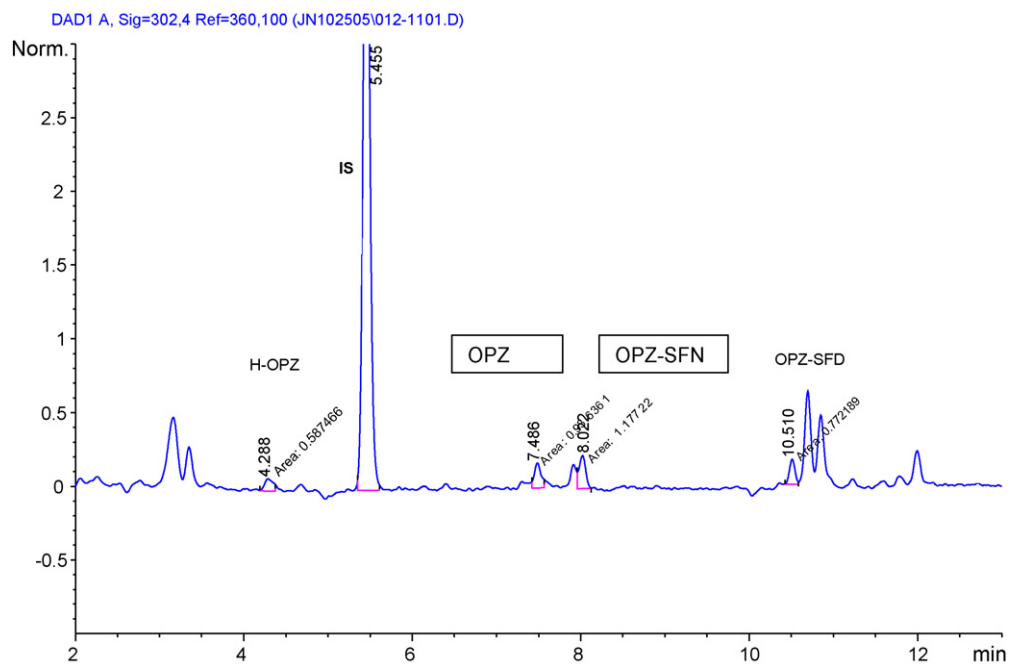


Fig. 4. Chromatogram of 2 ng/mL of omeprazole (OPZ), 5-hydroxyomeprazole (H-OPZ), omeprazole sulphone (OPZ-SFN), omeprazole sulfide (OPZ-SFD), and the internal standard phenacetin (IS).

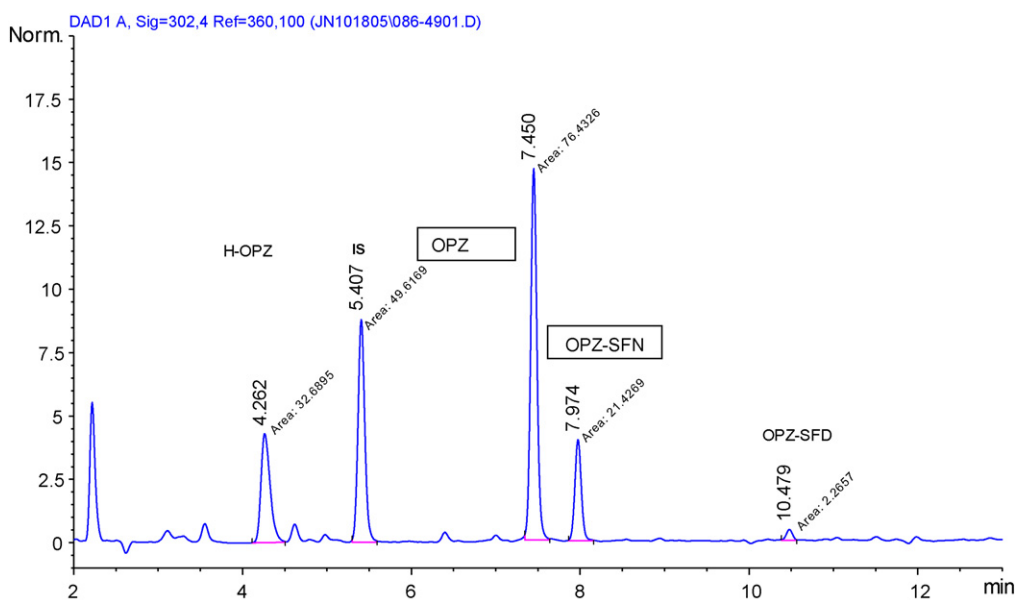


Fig. 5. A chromatogram of a representative volunteer sample with calculated concentrations of 230.5 ng/mL for 5-hydroxyomeprazole, 171.5 ng/mL for omeprazole sulphone, 51.2 ng/mL for omeprazole, and 4.9 ng/mL for omeprazole sulfide.

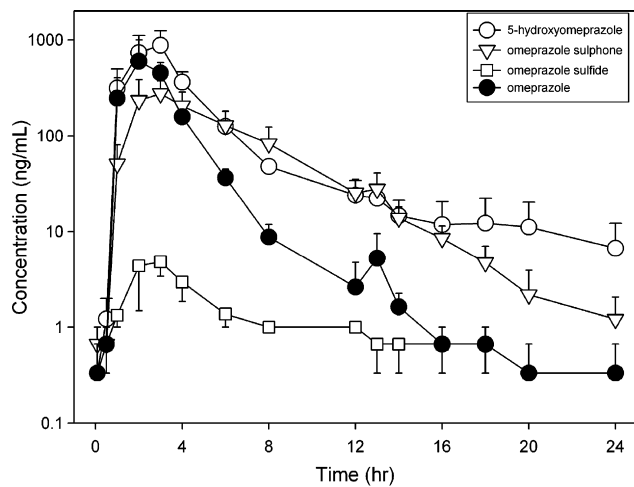


Fig. 6. Concentration of omeprazol (OPZ), 5-hydroxyomeprazole (H-OPZ), omeprazole sulphone (OPZ-SFN) and omeprazole sulfide (OPZ-SFD) in plasma vs. time after administration.