

Correction to “Quantifying the Metabolic Activation of Nevirapine in Patients by Integrated Applications of NMR and Mass Spectrometries”

In the article referenced above [Srivastava A, Lian L-Y, Maggs JL, Chaponda M, Pirmohamed M, Williams DP, and Park BK (2010) *Drug Metab Dispos* **38**:122–132], the chemical shifts of certain ^1H NMR signals for metabolite NVP-M1 were reported incorrectly on page 129, first column, third paragraph, and in Fig. 7. The correct value for C(7)H is 8.14 (doublet) ppm, not 8.11 (doublet) ppm. The correct value for C(2)H is 8.11 ppm, not 8.14 ppm. The signals for the C(12) methylene protons in Fig. 7 are now annotated correctly. In addition, the chemical shifts for the NOE cross-peak between C(3)H and the C(12) protons have been added to the text. The corrected paragraph and figure appear below.

Page 129, first column, third paragraph. The aromatic region of the ^1H NMR spectrum of NVP-M1 revealed spin systems consistent with the compound shown in Fig. 7. The resonances at 8.48 (doublet), 8.14 (doublet), and 7.19 ppm (doublet of doublet) form a coupled spin system similar to ring B of NVP-M2. The resonances at 7.21 and 8.11 ppm are coupled to each other and are assigned to C(3)H and C(2)H of ring A, respectively. An NOE cross-peak is observed between C(3)H at 7.21 ppm and the C(12) methylene protons at 3.87 and 4.05 ppm, confirming that NVP is substituted at the exocyclic C(12) position. This is further supported by the disappearance from the spectrum of NVP-M1 of the singlet resonance at 2.63 ppm, which is assigned to the C(12)H₃ in the major mercapturate.

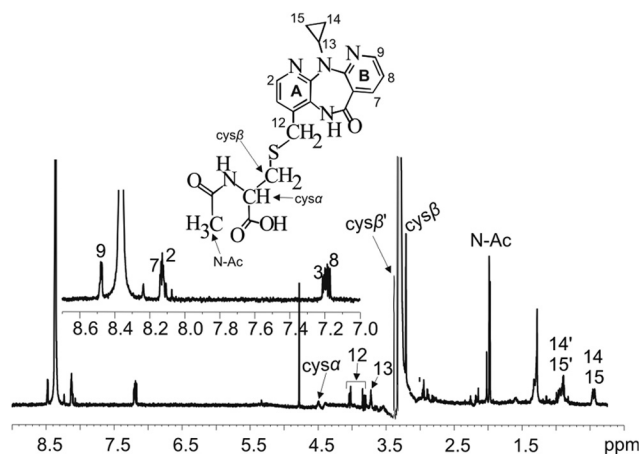


FIG. 7. Structural characterization of NVP-M1. The graphic illustrates one-dimensional (1D) ^1H NMR spectrum of NVP-M1 isolated and purified from dexamethasone-induced Wistar rat bile. An expanded aromatic region is shown above the spectrum.

The authors regret these errors and apologize for any inconvenience or confusion they may have caused.