

### Corrigenda

#### Synthesis of (3*R*,4*S*)- and (3*R*,4*R*)-[4-<sup>2</sup>H,<sup>3</sup>H]Valine. Preparation of Compounds containing Chiral Methyl Groups with an Adjacent Asymmetric Centre

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The first fifteen lines of the second paragraph should read:

(*S*)-(+)- $\alpha$ -Methyldihydrocinnamic acid (**5**),  $[\alpha]_D^{25} + 29.6^\circ$  (*c* 5.78, CHCl<sub>3</sub>), [lit.,<sup>7</sup> + 27.7° (*c* 3.28, CHCl<sub>3</sub>)] was chosen to establish the correct absolute configuration at what was to become the  $\beta$  carbon atom of valine (Scheme 2). Treatment of the acid (**5**) with diazomethane and reduction of the resulting ester with lithium aluminium deuteride (Fluka) afforded (*S*)-(–)-[1-<sup>2</sup>H<sub>2</sub>]-2-methyl-3-phenylpropanol (**6**) (95% yield). Oxidation of the [<sup>2</sup>H<sub>2</sub>]-alcohol (**6**) to the [<sup>2</sup>H<sub>1</sub>]-aldehyde (**8**) using a variety of chromium(vi)-based reagents proved difficult owing in part to partial racemization of the product, but most particularly to a marked primary isotope effect<sup>8</sup> and further to disproportionation of the aldehyde to the alcohol and carboxylic acid. These problems were solved by photochemical decomposition<sup>9</sup> of the pyruvyl ester (**7**) under essentially neutral conditions to afford (**8**) smoothly as a.

#### Total Assignment of the Carbon-13 N.M.R. Spectrum of Monensin by Two-Dimensional Correlation Spectroscopy

John A. Robinson and David L. Turner

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The spectra presented, and hence the assignments given, are of monensin sodium salt (**1**) and not monensin free acid as indicated. The method of interpretation is unaltered.

#### Stereochemistry of Isoflavone Reduction during the Biosynthesis of (+)- and (–)-Pterocarpan: <sup>2</sup>H N.M.R. Studies on the Biosynthesis of (+)-Pisatin and (–)-Medicarpin

Stephen W. Banks, Melanie J. Steele, David Ward and Paul M. Dewick

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On p. 157, r.h. column, l. 10 should read 'the lower-field 6-H doublet at  $\delta$  4.18.