Erratum

De-Ming Liu, **Gas Chromatographic Resolution of Enantiomeric and Diastereoisomeric Amino Acid Esters on Chirasil-Val Capillary Column**; Chroma Vol. 25, 393 (1988) should read:

Results and Discussion

One of the significant advantages of using a Chirasil-Val column is that four optical isomers resulting from the reaction of D,L-amino acids, which contain one asymmetric carbon atom, with optically impure alcohol or acyl halide, can be completely separated. The relationship of the above four amino acid esters, DD, LL, DL, LD, is shown in Fig. 1. The DD and LL derivatives are enantio-

meric and cannot be separated on an achiral column; likewise, the DL and LD derivatives are also enantiomeric. However, DD and LL are diastereomers of DL and LD respectively, and in most cases can be separated by GC. In Fig. 2, a chromatogram of the N-TFA-L-propyl-D,L-valine methyl esters on a SP-2250 column is shown. The first eluting peak is due to the DL and LD enantiomers, while the second peak is due to the LL and DD enantiomers. Because the (+)-2-butanol generally contains as impurity a small amount of (–)-2-butanol, four optical derivatives are always formed when the optically impure (+)-2-butanol reacts with both D- and L-amino acids. Fig. 3 is a chromatogram of N-TFA-(+)-2-butyl esters of DL-leucine showing four peaks that resulted from the

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