

ADDITIONS AND CORRECTIONS

Reactions of 4-methylphenyl isocyanate with amino acids

Gabriele Sabbioni, John H. Lamb, Peter B. Farmer and Ovnair Sepai, *Biomarkers* 1997, **2**, 223-232

The authors of this paper wish to make the following additions and corrections:

The optical purity of the products has not been verified. Therefore, the names of the compounds which include the configuration of the chiral center are not appropriate. The name for *N*-(4-methylphenyl-carbamoyl)-L-valyl-glycyl-glycine, *N*-(4-chlorophenyl-carbamoyl)-L-valyl-glycyl-glycine, *N*-(4-methylphenyl-carbamoyl)-L-valine, *N*-(4-methylphenyl-carbamoyl)-L-aspartic acid and *N*_α-acetyl-*N*-(4-methylphenyl-carbamoyl)-L-cysteine should be *N*-(4-methylphenyl-carbamoyl)-valyl-glycyl-glycine, *N*-(4-chlorophenyl-carbamoyl)-valyl-glycyl-glycine, *N*-(4-methylphenyl-carbamoyl)-valine, *N*-(4-methylphenyl-carbamoyl)-aspartic acid and *N*_α-acetyl-*N*-(4-methylphenyl-carbamoyl)-cysteine, respectively.

In addition the ¹³C-NMR-signals for the three compounds, 4MPI-Val-Gly-Gly, 4MPI-Asp, and Asp-Hyd, have to be corrected by subtracting, 2.4, 1.0 and 1.0 ppm, respectively. The ¹³C-NMR-signals of all compounds are referenced to the [D₆-DMSO] signal at 39.43 ppm.

Page 225:

***N*-(4-Methylphenyl-carbamoyl)-valyl-glycyl-glycine (4MPI-Val-Gly-Gly)**

¹³C-NMR ([D₆]DMSO, 63 MHz): δ= 172.0, 171.0, 169.0 (2 NHCO, COOH), 155.1 (NH-CO-NH), 137.7 (C-1), 129.7 (C-4), 129.0 (C-3/5), 117.5 (C-2/6), 57.7 (NH-CH-COOH), 41.6 (CH₂-NH), 40.1 (CH₂-NH), 30.8 (CH-CH₃), 20.2 (CH₃-Ph), 19.2 (CH-CH₃), 17.6 (CH-CH₃).

Page 225 and table 2:

***N*-(4-Methylphenyl-carbamoyl)-aspartic acid (4MPI-Asp)**

¹³C-NMR ([D₆]DMSO, 63 MHz): δ= 173.0 (CH-COOH), 172.1 (CH₂-COOH), 154.6 (NH-CO-NH), 137.5 (C-1), 129.8 (C-4), 129.0 (C-3/5), 117.5 (C-2/6), 48.6 (CH-COOH), 36.7 (CH₂-COOH), 20.2 (CH₃-Ph).

Page 226 and table 2:

2-(1-(4-Methylphenyl)-2,5-dioxoperhydro-4-imidazolyl) acetic acid (Asp-Hyd)

¹³C-NMR ([D₆]DMSO, 63 MHz): δ= 172.9, 170.9 (COOH, CO-N), 156.0 (N-CO-NH), 137.1 (C-4), 129.8 (C-1), 129.0 (C-3/5), 126.4 (C-2/6), 52.9 (CH-COOH), 35.3 (CH₂-COOH), 20.6 (CH₃-Ph).