

# Electron Paramagnetic Resonance of Some $\gamma$ -Irradiated Amino Acid Derivatives

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$\gamma$ -Irradiated powders of *N*-acetyl-L-arginine, *N*<sub>α</sub>-carbamyl-L-arginine, *N*-glycyl-L-leucine and glycyl-L-alanine were investigated at room temperature by electron paramagnetic resonance. The observed species in *N*-acetyl-L-arginine and *N*<sub>α</sub>-carbamyl-L-arginine were attributed to the CH<sub>2</sub>ĊHNHCNHNH<sub>2</sub> radical, and those in *N*-glycyl-L-leucine and glycyl-L-alanine powders to (CH<sub>3</sub>)<sub>2</sub>ĊCH<sub>2</sub> and CH<sub>3</sub>ĊHCOOH radicals.

*Key words:* EPR;  $\gamma$ -Irradiation; Free Radicals; Amino Acid Derivatives.