

## 2811

An unidentified base among the hydrolytic products of gelatin.

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Further preparations of the base isolated by Van Slyke and Hiller<sup>1</sup> have been studied. The analyses of the copper salt indicate the composition  $(C_7H_9O_4N_2)_2 Cu$ . The substance gives the reactions for a pyrrol group. The ratio of 1:2 for amino N: total N determined by Van Slyke and Hiller is confirmed. The behavior and analyses indicate that it may have the structure of a dihydroxy-pyrrol-alanine.

## 2812

Studies on the purification of antibodies. V: Nature of the pyrogenic factor in pneumococcus antibody solution.

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In connection with the preceding studies on purification of pneumococcus protective antibodies, it is of practical importance to know what is the reason for the occurrence of febrile reactions following the intravenous injections of the solution. The various batches of material that we prepared were tested for pyrogenic property by injecting 5 cc. amounts intravenously into rabbits and observing their temperatures for three hours.

The results which are presented on the accompanying chart indicate that the temperature rise is proportional to the amount of nitrogen present in these extracts. It will be noted that there are four results which fall outside the regular line. These show

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<sup>1</sup> Van Slyke, D. D., and Hiller, Alma, *Proc. Nat. Acad. Scie.*, 1925, vii, 185.