

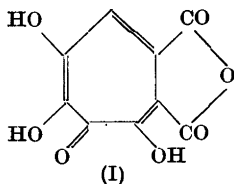
## Studies in the Tropolone Series

## II. Puberulonic Acid

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At the symposium on the chemistry of Tropolones held by the Chemical Society in London on November 2nd 1950, various structural formulae for puberulonic acid<sup>1</sup> were discussed. The author wishes to record that she proposed, on that occasion, the anhydride structure (I) for this acid.



This suggestion was based upon a new potentiometric titration curve for the substance in combination with a detailed study of its ultra-violet absorption properties in various solvents and in aqueous solutions of different pH-values, and also upon the comparison with corresponding data for stipitatic and puberulic acids.

An investigation of the infra-red spectra of puberulonic acid as well as of several related compounds, carried out in collaboration with Professor H. Theorell at Medicinska Nobelinstitutet, Stockholm, strongly supports the above formula for puberulonic acid.

Full details of these investigations will be published shortly in this journal.

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of anomalous mixed crystals will prove to be a more common phenomenon than has hitherto been believed.

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