The Synthesis of Mono-Amino-Flavones, of Flavone-Azo-Beta-Napththol Dyes and of Other Flavone Derivatives: Dissertation Submitted in Partial Fulfillment of the Requirements, for the Degree of Doctor of Philosophy, in the Faculty of Pure Science

By Joseph K Marcus

Forgotten Books, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from The Synthesis of Mono-Amino-Flavones, of Flavone-Azo-Beta-Napththol Dyes and of Other Flavone Derivatives: Dissertation Submitted in Partial Fulfillment of the Requirements, for the Degree of Doctor of Philosophy, in the Faculty of Pure Science of Columbia University 1. What was the object of the investigation? 2. To what extent was the object attained? 3. What contribution, actually new to the science of chemistry, has been made? 1. The intense yellow color of some of the naturally occurring hydroxy derivatives of flavone (certain of which are valuable as dyes; i. e., Quercetin - l,3,3 ,4 , alpha-penta-hydroxy-flavone - in Quercitron Bark, and Morin - 1,3,2 ,4 , alpha-penta-hydroxy-flavone - in Old Fustic) made it seem of interest to extend the investigation of the flavone series to the preparation and study of the amino derivatives in order (1) to record the auxochromic effect of the amino group on the flavone nucleus; and (II) to couple the diazotized amines with betanaphthol, thus incorporating the flavone, azo and naphthalene chromophores in one compound, with the hope

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