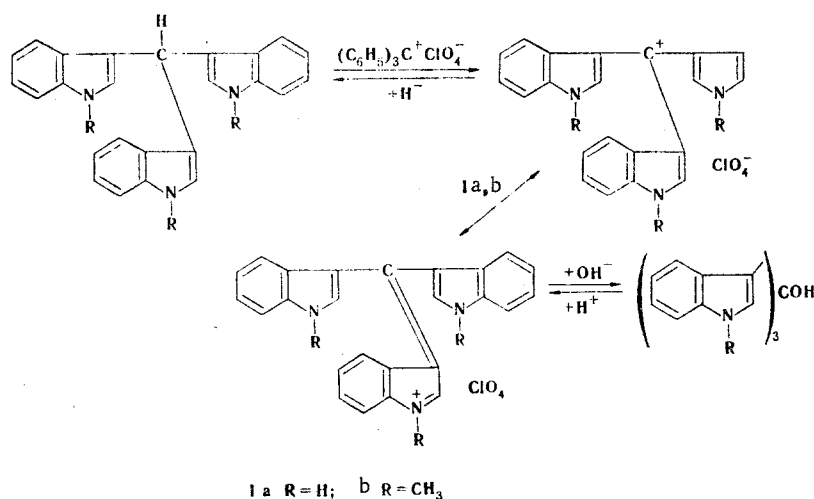


TRI(3-INDOLYL)METHYL PERCHLORATES — NEW DYES OF THE
TRIARYLMETHANE SERIES

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We have obtained deeply colored stable tri(3-indolyl)methyl perchlorates, which constitute a variant of triarylmethane dyes, by the action of sufficiently electrophilic organic cations of the triphenylmethyl perchlorate type on tri(3-indolyl)methanes. Like triarylmethane dyes, the dyes that we obtained are converted by alkalis to the corresponding carbinols and are reconverted to the dyes in acidic media:



Perchlorate Ia had mp 285–286°C (from acetonitrile) and λ_{\max} 500 nm ($\log \epsilon$ 7.02). Perchlorate Ib had mp > 300°C (from acetonitrile) and λ_{\max} 535 nm ($\log \epsilon$ 8.02). The results of elementary analysis were in agreement with the calculated values.