

Xanthinylation of arylamines: synthesis and structure of new reaction products

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Abstract

Three new destinations for the reaction of arylamines with 9H-xanthyn-9-ol or perchlorate cantile, consisting in the possibility to simultaneously was observed: 1) the symmetric xanthylum two *ortho*-positions of arylamine with the preservation of a free amino group; 2) *ortho*- and *N*-xanthinylation or 3) *ortho*-xanthinylation and *N*-acetylation. The receive of new connections carried out by two methods: first – xanthinylation *N*- or *ortho*-anilines containing fragment 9H-xanthyne, the second synthesis in the system: arylamine – perchlorate cantile or 9H-xanthyn-9-ol – solvent.