



## Bisindole derivatives

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Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Synthesis of bis(1H-indol-5-yl)methane new derivatives | On the basis of bis(1H-indol-5-yl)methane derivatives 2,2'-diethoxycarbonyl-bis(indol-5-yl)methane and 2,2'-diethoxycarbonyl-3,3'-bisdimethyl-bis(indol-5-yl)methane were obtained 3,3'-bisphenylpiperazinomethyl, 3,3'-biscyanomethyl derivatives, tetracarboxylic acid and its tetraethylester. And on the basis of 2,2'-diethoxycarbonyl-3,3'-diformyl-bis(indol-5-yl)methane bisisonicotinoylhydrazone. The following reactions were studied: piperazinomethylation reaction of 2,2'-diethoxycarbonyl-bis(indol-5-yl)methane, alkylation reactions of phenylpiperazine and KCN with 2,2'-diethoxycarbonyl-3,3'-bisdimethylaminomethyl-bis(indol-5-yl)methane, alkaline hydrolysis and acid alcoholysis reactions of 2,2'-diethoxycarbonyl-3,3'-di(cyanomethyl)-bis(indol-5-yl)methane. The corresponding compounds were obtained. The condensation reactions of 2,2'-diethoxycarbonyl-3,3'-diformyl-bis(indol-5-yl)methane with isonicotinoylhydrazide, aniline and its mono-nitroderivatives. The structure of the obtained compounds was established on the basis of spectral data. | Format: Paperback | Language/Sprache: english | 68 pp.



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