A mild and efficient method for synthesis of bis (2-methy1-1H-indole) methan derivatives

seyedeh fatemeh hoseinzadeh*,

Bis(indolyl)alkane derivatives have been the subject of considerable levels of interest because of their numerous applications in pharmaceutical and biological research, they have been reported to show antitumor, antiheyperlipidemic, and anticancer activity. Herein, 3-carboxy-1-sulfopyridin-1-ium chloride ([CPySO3H] Cl-) catalyzed condensations of aldehydes, and 2-methyl-1H-indole derivatives acetonitrile at room temperature.The products formed in excellent yields over short reaction times under mild and environmentally friendly conditions.

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