## **Graphical Abstracts**



## COUPLING REACTIONS OF 1,2-BIS(2-INDOLYL)ETHANE. FORMATION OF INDOLO[2,3-c]CARBAZOLES.

Jan Bergman\*, Eric Desarbre, Tomasz Janosik, Göran Lidgren, and Lennart Venemalm Department of Organic Chemistry, Royal Institute of Technology, S-100 44 Stockholm, Sweden, and Department of Organic Chemistry, CNT, NOVUM Research Park, S-141 57 Stockholm, Sweden

2-Methylindole has been coupled to 1,2-bis(2-indolyl)ethane 6, which in turn has been further coupled to indolo[2,3-c]carbazole 3. Attempts to couple 6 with CoF<sub>3</sub> in trifluoroacetic acid gave new 7-membered compounds as the main products.



386







Heterocycl. Commun. 3 (1997) 449-452

## "IONIC DIELS-ALDER" REACTION OF HETARYLDIENAMINES

András Kotschy<sup>4</sup>, György Hajós<sup>4\*</sup>, Géza Timári<sup>4</sup>, András Messmer<sup>4</sup> and Joachim G. Schantl<sup>b</sup> <sup>4</sup>Central Research Institute for Chemistry, Hungarian Academy of Sciences, H-1525 Budapest, P.O.Box 17., Hungary <sup>b</sup>Institute of Organic Chemistry, University of Innsbruck, A-6020 Innsbruck, Innrain 52/A, Austria

Diels-Alder reaction of Hetaryldienamines with  $\alpha$ ,  $\beta$ -unsaturated oxo compounds is reported.



