EurJOC
European Journal of Organic Chemistry

Issue 22/2005

Pages 4727–4914

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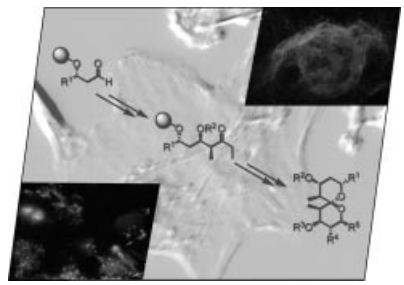
COVER PICTURE

The cover picture shows the stereoselective solid-phase synthesis of highly substituted spiroketal molecules. Asymmetric aldol reactions on a solid phase are the key steps involved in this synthetic route. Both resin-bound β-hydroxy aldehydes and boron enolates were employed for *syn*- and *anti*-aldol reactions, respectively. Out of this small collection of spiroacetals, some molecules showed activities against tubulin polymerization. The effect of two different spiroketals at a concentration of 5 μM on the tubulin cytoskeleton is shown in the picture (top right and bottom left). Furthermore, some spiroketals were found to be phosphatase inhibitors. Details are discussed in the article by H. Waldmann et al. on p. 4773 ff.



MICROREVIEW

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