

## Nucleic acids U 0700

08- 204

## Efficient Construction of Quaternary Carbon: Stereocontrolled Synthesis of

Novel Abacavir Analogue. — An efficient and stereoselective route for the synthesis of the novel nucleoside (XIV), a 4,6-dimethylated analogue of abacavir, is described. Nucleoside (XIV) shows moderate anti-HIV activity without any cytotoxicity up to 100 µM. — (KIM, A.; HONG\*, J. H.; Bull. Korean Chem. Soc. 28 (2007) 9, 1545-1548; Coll. Pharm., Chosun Univ., Gwangju 501-759, S. Korea; Eng.) — H. Toeppel

Tbs 0 — Et 
$$\frac{1.5 \text{ equiv. Me}-\text{I (II), (Tms)}_2\text{NLi}}{\text{THF, } -78 -> +25^{\circ}\text{C}}$$
 Tbs 0 — Et  $\frac{\text{Me}}{\text{O}}$  0 — Et  $\frac{\text{Me}}{\text{CH}_2}$  Tbs 0 — Et

$$XI = \frac{\sum_{N=1}^{C} \sum_{N=1}^{N} (XII), \text{ NaH, } Pd_2(dba)_3 \cdot CHCl_3/P(O-iPr)_3 (cat.)}{DMSO, THF, reflux} \xrightarrow{Tbs} \underbrace{Me}_{N} \stackrel{N}{N} \stackrel{NH}{N}_2$$