## 30P1-am325

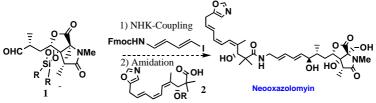
ネオオキサゾロマイシンの全合成 ○Evans Onyango<sup>1</sup>, 今井 直子<sup>1</sup>, 鶴本 穣治<sup>1</sup>, 高橋 圭介<sup>1</sup>, 石原 淳<sup>1</sup>, 畑山 範<sup>1</sup> (<sup>1</sup>長崎大院医歯薬)

## Total synthesis of Neooxazolomycin

Naoko Imai, <u>Evans Otieno Onyango</u>, Joji Tsurumoto, Keisuke Takahashi, Jun Ishihara and Susumi Hatakeyama

(Graduate School of Biomedical Sciences, Nagasaki University)

Neooxalozolmycin is a congener of the oxalozolmycin family isolated from *Streptomyces* sp. by Uemura et al. The oxazolmycins were found to exhibit wide ranging and potent antibiotic activity. The intriguing molecular architectures and the biological activities make these compounds attractive targets for synthesis. Here we report a novel method for the synthesis of the right hand core segment **1**. In addition, an improvement on the route developed earlier by Kende for synthesis the left hand segment and the completion of total synthesis will be presented.



Kende et al. J. Am. Chem. Soc. Vol. 112, 1990, 4070-4072