

Pyran derivatives

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Synthesis and Antiinfluenza Evaluation of Orally Active Bicyclic Ether Derivatives Related to Zanamivir. — The preparation of tetrahydro-furan-2-yl derivatives (X) related to zanamivir by ring-closing metathesis as key step and following selective oxidation to diols (VI) in moderate to good yields and evaluation of their biological activities are presented. Compound (Xa) in particular showed comparable efficacy in vivo relative to that of oseltamivir phosphate. — (MASUDA, T.; SHIBUYA, S.; ARAI, M.; YOSHIDA, S.; TOMOZAWA, T.; OHNO, A.; YAMASHITA, M.; HONDA*, T.; Bioorg. Med. Chem. Lett. 13 (2003) 4, 669-673; Med. Chem. Res. Lab., Sankyo Co., Ltd., Shinagawa, Tokyo 140, Japan; Eng.) — M. Schroeter

