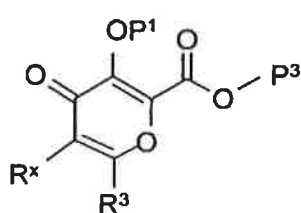


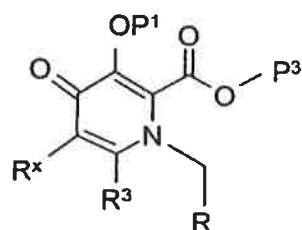
PROCESSES AND INTERMEDIATES FOR CARBAMOYLPYRIDONE HIV INTEGRASE INHIBITORS

ABSTRACT

Processes are provided which create an aldehyde methylene, or hydrated or hemiacetal methylene attached to a heteroatom of a 6 membered ring without going through an olefinic group and without the necessity of using an osmium reagent. In particular, a compound of formula (I) can be produced from (II) and avoid the use of an allyl amine:



(II)



(I)

where R, P¹, P³, R³ and R^x are as described herein.

No suitable fig.