

Title (en)
METHOD FOR INCORPORATING PROTECTING ACETAL AND ACETAL ESTER GROUPS, AND ITS APPLICATION FOR THE PROTECTION OF HYDROXYL FUNCTION

Title (de)
VERFAHREN ZUR HERSTELLUNG VON SCHÜTZENDEM ACETAL UND ACETALESTERGRUPPEN UND DESSEN ANWENDUNG ZUM SCHUTZ EINER HYDROXYLFUNKTION

Title (fr)
PROCÉDÉ POUR INCORPORER DES GROUPES ACÉTAL ET ESTER D'ACÉTAL PROTECTEURS ET SON APPLICATION POUR LA PROTECTION DE LA FONCTION HYDROXYLE

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Abstract (en)
[origin: WO2014148928A1] The present invention is the method for incorporation of acetal and acetal ester groups for protection of hydroxyl function. The method is applied in particular in the processes of RNA synthesis. The method can be employed in the synthesis of nucleosides with acetal and acetal ester groups for the protection of hydroxyl functions. The method according to the invention consists of the reaction of an organic compound containing at least one hydroxyl group, soluble in an aprotic solvent, with a compound of the general formula 1, R1 -S-CH2 -O-R2(1) in the presence of SnCl4, in an aprotic solvent. In the second aspect, the present invention is the method of protecting the hydroxyl function, particularly in position 2', in nucleoside derivatives, based on the incorporation of an acetal or acetal ester group.

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