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(54) Title: REAGENT USED IN DEPROTECTION OF 3'-O-AMINO POLYNUCLEOTIDES

(57) Abstract: This invention relates to an enzymatic method of synthesizing a polynucleotide, comprising a deprotecting step which uses as a deprotecting agent a specific phosphonate compound. It also pertains to a method for deprotecting 3'-O-amino elongated fragments of a polynucleotide in an enzymatic method of synthesizing a polynucleotide, comprising contacting the elongated fragments with this phosphonate compound. This invention further relates to a kit for synthesizing a polynucleotide comprising one or more vials of synthesis reagents, at least one of which contains an effective amount of a phosphonate compound and to a specific method for preparing said phosphonate compound.