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# Chromatographic separation of α,β-anomers of acidated dA-8-$^{13}$C

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**Abstract**

Acylated dA-8-$^{13}$C has been synthesized with the method of direct condensation of 6-benzoyladenine-8-$^{13}$C with 1-chlorine-2-deoxy-3,5-di-*O*-*n*-nitrobenzoyl-*D*-ribose. The condensation reaction has been performed in anhydrousв dichloromethane in the presence of molecular sieves 5 Å for 72 hours at room temperature. Separation of α,β-anomers of acylated dA-8-$^{13}$C has been carried out with the method of column chromatography on silica gel of the type L 100/400 ("*Khemapol*"), protection release (*n*-nitrobenzoyl and benzoyl groups) at acylated dA-8-$^{13}$C has been conducted with ammonolysis (treatment with gaseous ammonium) at 50 °C for 24 hours.