Efficient synthesis of Meningococcal X polysaccharide repeating unit N-acetylglucosamine-4-phosphate as analytical standard for MenX polysaccharide determination

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NMR data of compound **5** page 2

NMR data of compound **7** page 3

¹H NMR (CDCl₃, 400 MHz) of compound 5

¹³C NMR (CDCl₃, 100 MHz) of compound 5

¹H NMR (D₂O, 400 MHz) of compound 7

Dept NMR (D₂O, 100 MHz) of compound 7