

Synthesis and chemical transformation of 2-acetoxylimino-3,4,6-tri-O-acetyl-2-deoxy- β -D-arabino-hexopyranosyl azide.

Autorzy

Rita Walczyna

Zygryd Smiatacz

Zbigniew Ciunik

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The title compound **3** has been synthesized from 3,4,6-tri-O-acetyl-2-deoxy-2-nitroso- α -D-glucopyranosyl chloride (**1**) via compound **2**. Azide reduction of **3** is accompanied by O $\rightarrow$ N-acetyl migration to afford N-acetyl-N-(3,4,6-tri-O-acetyl-2-deoxy-2-hydroxyimino- β -D-arabino-hexopyranosyl) amine (**4**), also characterized as its Z and E peracetates. On the basis of IR, ^1H NMR and X-ray structural data from compound **4**, its β -NHAc configuration, (Z) 2-hydroxyimino, and $^{\circ}\text{S}_2$ conformation, were established.

Adres publiczny

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