



## Hydrate of 2,3:4,5-di-O-isopropylidene- $\beta$ -D--arabino-hexos-2-ulo-2,6-pyranose as new crystalline reagent in the preparation of Amadori derived peptides.

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### Streszczenie

We established, that crystalline hydrate of 2,3:4,5-di-O-isopropylidene- $\beta$ -D-arabino-hexos-2-ulo-2,6-pyranose is a new, convenient and stable reagent for solid phase synthesis of peptide derived Amadori products. The structure of the title compound was studied by X-ray analysis, NMR spectroscopy, and high resolution ESI-MS. The crystal structure indicated the existence of two symmetry-independent molecules that were not connected with hydrogen bonds. A comparison with previously reported 2,3:4,5-di-O-isopropylidene- $\beta$ -D-fructopyranose revealed, that these two compounds are isostructural

### Słowa kluczowe

molecule, 3:4, 5-di-O-isopropylidene- $\beta$ -D-arabino-hexos-2-ulo-2, pyranose, Solid phase synthesis, X-ray studies, Amadori products

### Adres publiczny

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<http://link.springer.com>

