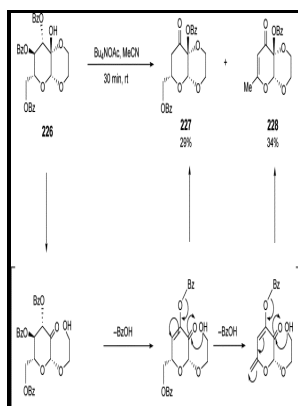


# Synthesis of naturally occurring nitrogen heterocycles from carbohydrates

Blackwell Pub. - Synthesis of Naturally Occurring Nitrogen Heterocycles from Carbohydrates  
By El Sayed H. El Ashry and Ahmed El Nemr. Blackwell Publishing: Oxford. 2005. 443 pp. £119. ISBN 1



Description: -

- Juristic acts -- Romania.

Nullity -- Romania.

Thomas, -- Aquinas, Saint, -- 1225?-1274.

Afghan Wars.

Carbohydrates.

Heterocyclic compounds -- Synthesis. Synthesis of naturally occurring nitrogen heterocycles from carbohydrates

-Synthesis of naturally occurring nitrogen heterocycles from carbohydrates

Notes: Includes bibliographical references and indexes.

This edition was published in 2005



Filesize: 64.25 MB

Tags: #Table #of #contents #for #Synthesis #of #naturally #occurring #nitrogen #heterocycles #from #carbohydrates

## Table of contents for Synthesis of naturally occurring nitrogen heterocycles from carbohydrates

Chapter 4 Seven Membered Nitrogen Heterocycles.

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## presentations

Carbohydrates are widely distributed in nature and easily available, so are considered as a promising feedstock for the preparation of many organic chemical compounds, and are particularly useful in the preparation of nitrogen heterocycles because of their related structural characteristics. The book provides a detailed discussion of the various synthetic approaches to these compounds, using carbohydrate starting materials, and does not merely reference synthetic methodology but attempts to give as much detail as possible on the actual experimental conditions used, in such a way that the chemist can use the information directly to design a multi-step synthesis.

Synthesis Of Naturally Occurring Nitrogen Heterocycles From Carbohydrates: New Hardcover

Synthesis of Naturally Occurring Nitrogen Heterocycles from Carbohydrates By El Sayed H. El Ashry and Ahmed El Nemr. Blackwell Publishing: Oxford. 2005. 443 pp. £119. ISBN 1

Nitrogen-containing substances called alkaloids among them represent a majority of the important medicinal agents discovered in nature. Library of Congress Subject Headings for this publication: Heterocyclic compounds -- Synthesis. Especially, polyhydroxylated alkaloids possessing an azetidine-, pyrrolidine-, piperidine-, pyrrolizidine-, or indolizidine-ring structure have attracted a great deal of interest because of their applications from both a biological and a synthetic point of view.

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