



# Release: SOS 4.22, October 2021

# Content

## **New: Science of Synthesis Knowledge Updates**

SOS is continuously updated with high-quality content using clearly defined criteria for method selection as well as established editorial processes. The Editorial Board, in conjunction with the volume editors and expert authors, reviews the whole field of synthetic organic chemistry as presented in SOS and evaluates significant developments in synthetic methodology.

This release will see the addition of **one new update volume** comprising approx. **450 printed pages**.

## SOS Knowledge Updates 2021/3 highlights:

A series of new chapters on the synthesis of **pyrido[1,2-a]indoles** and **azapyrido[1,2-a]indoles** (*P. A. Harris*), which occur in a number of biologically active indole alkaloids

A new chapter on **1,4-dioxanes** (*B. V. Vashchenko and O. O. Grygorenko*), useful scaffolds in organic synthesis and drug design

New chapters on **chemoselective ligation methods based on the concept of native chemical ligation** (*L. R. Malins and R. J. Payne*), a modern approach for peptide synthesis

A new chapter on **biocatalytic oxidation of alcohols** (*F. Hollmann*), highlighting applications in the synthesis of carbonyl and carboxyl compounds

OH 
$$R^1$$
  $R^2$   $R$ 

X = S, Se; Y = SH, SeH, Se-Se-\$

sos.thieme.com

## **Software:**

## **Improved access to the Teaching Resources**

The **Teaching Resources** page of SOS now has it's own tab, making it easier for you to access key articles useful for teaching and learning.



### LINKS

Download list as PDF

#### OTHER RESOURCES

SOS Crossword
SOS Crossword Solution
SynOne
Pharmaceutical Substance

Pharmaceutical Substances Synfacts

## Science of Synthesis as a Teaching Resource: Useful Links

In addition to its application as a tool to aid synthetic chemistry research, the authored content of Science of Synthesis can also be useful in an educational context. We have collected some direct links to Science of Synthesis chapters that are useful as a resource for the preparation and teaching of advanced organic chemistry courses. The articles on particular topics (e.g., types of transformation, named reactions) can be used as a reference resource when preparing course material. They also serve as an excellent starting point for students for further reading around a topic. Furthermore, Science of Synthesis is a useful resource to students who are assigned coursework such as compiling a literature review or when writing an introduction to a thesis.

show more..

Alder-ene reactions (1)\*

Quick Filtering by typing (any part of the name) ..

#### Α

Alder-ene reactions (2)\*
aldol addition\*
aldol condensation\*
Appel reaction (alkyl bromides)
Appel reaction (alkyl chlorides)
Arbuzov reaction
Arndt—Eistert reaction\*
aza-Cope Mannich rearrangement
aza-Henry reaction (1)
aza-Henry reaction (2)
aza-Morita—Baylis—Hillman reaction (1)\*
aza-Morita—Baylis—Hillman reaction (2)\*
aza-oxa-Cope rearrangement
azide—alkyne Huisgen cycloaddition
aziridination of alkenes (1)\*
aziridination of alkenes (2)\*

# **New Training Videos**

A collection of new, shorter, more-focused training videos in the **Training & Support** tab, highlighting the various aspects of browsing and searching in SOS.



