

# Science of Synthesis: The Essential Knowledge Platform for Organic Chemistry

- Save time with reliable, condensed, and pre-digested knowledge.
- Discover expert-curated information about synthetic chemistry.
- Develop more efficient synthetic routes.

## SOS! Learn How Science of Synthesis Can Help You!

Whether you are developing synthetic routes or just need information about organic chemistry, Science of Synthesis (SOS) is the optimal resource that offers you the best methods and, therefore, the best results.

- Expert-written, full-text reviews help you decide how to make your target molecules.
- Learn from those who know! Methods are selected by experts in each area and are regularly updated.
- Rapidly gain an overview through the structured, systematic, logical, and consistent organization by functional group.
- Experts have focused on selecting effective and practical experimental procedures that can be implemented quickly and easily in the laboratory.
- Quickly find the information you need by text, structure, or reaction searching ... or simply explore the content.
- Use SOS as your teaching and learning resource for all areas of synthetic organic chemistry.



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# Science of Synthesis: Your Efficient Route to Synthesis

SOS: Get where you want to be, however you choose to get there.

The content of Science of Synthesis can be explored by three different “means of transport”.

**P** via the SOS Online Platform   **eBook** via the SOS eBooks   **D** via the SOS Reaction Datasets

## **P** SOS Online Platform

- Save time and effort by reducing the need for extensive literature research
- Quickly find the answers you are looking for.
- Benefit from the comprehensive search functionality.
- Profit from the chemist-friendly user interface.
- As the content is regularly updated, newly established methods and techniques are also covered.

The SOS platform is the perfect solution for your company, institution, or research group.



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## **D** SOS Reaction Datasets

- High-quality, machine-readable structure and reaction datasets derived from the expert-curated Science of Synthesis reference work.
- Data contains reliable, synthesis-relevant reactions selected by proven experts.
- Can be used for the training of AI models and algorithms designed for reaction prediction and retrosynthesis.

SOS Datasets are designed to support chemical institutes and companies for training in-house models or supplementing existing datasets, as well as for software companies providing synthesis solutions to their customers.



**SOS Dataset Matrix!**  
[science-of-synthesis-datasets.thieme.com/](https://science-of-synthesis-datasets.thieme.com/)

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Status April 2026

- Organometallics
- Heteroarenes and Related Ring Systems
- Functional Groups
- Hydrocarbons

## Content Updates

The Science of Synthesis platform is regularly updated. After registering for the e-mail newsletter, you will receive an e-mail alert whenever new content is added.



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**Martin Oestreich**  
Technische Universität Berlin, Germany



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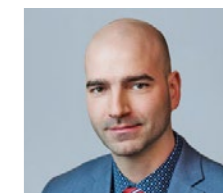
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We will be happy answer your questions!



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