

# We transform synthesis!



From 2000 to 2020 and into the future.

## Release: SOS 4.18, June 2020

What's New?

### 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.

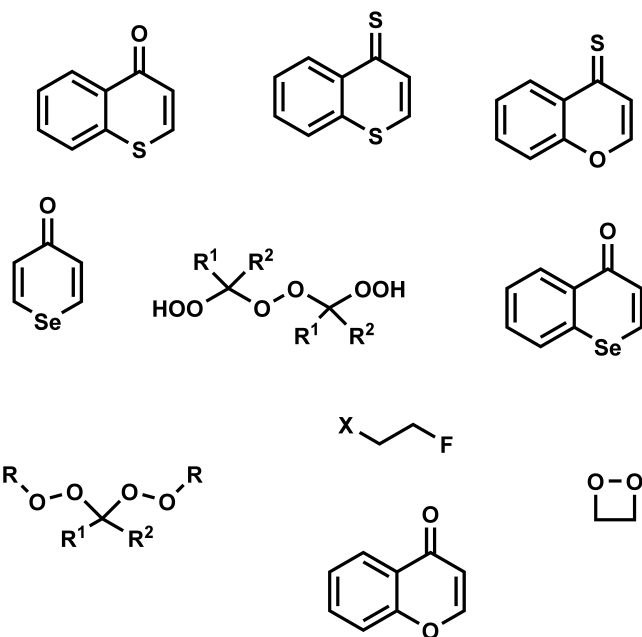
This release will see the addition of **one new update volume** comprising approx. **450 printed pages**.

### SOS Knowledge Updates 2019/3 highlights:

Several updates on the synthesis of benzopyranone (chromenone) analogues, including **4H-1-benzopyran-4-ones** and **4H-1-benzopyran-4-thiones** (X. Dong and S. Liu), **benzothiopyranones and benzothiopyranthiones** (C.-F. Lee), and **selenopyranones and benzoselenopyranones** (C. Chen and L. Yu).

The way we make fluorinated compounds has changed dramatically over recent years, and some of these changes are reflected in the completely revised chapter on the **synthesis of fluoroalkanes by addition reactions to alkenes** (G. Haufe).

There has recently been renewed interest in peroxide chemistry, not least due to the potential use of cyclic peroxides as pharmaceuticals. This update includes a review on the **medicinal chemistry of stable and unstable 1,2-dioxetanes: origin, formation, and biological activities** (V. M. Dembitsky and V. A. Vil') and a new chapter on **acyclic geminal bisperoxides** (V. A. Vil', O. V. Bityukov, and A. O. Terent'ev)



Take a look at our new SOS **training videos** and links to SOS articles that might be useful as **teaching resources**.