

# Release: SOS 4.33, July 2024



## 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 includes ten new articles from the **Knowledge Updates**.

### Synthesis of Quinoline Derivatives by Modification of a Methyl Substituent at the C2 or C8 Position

*U. Sharma, D. Parmar, Sumit, and Manisha*  
(Ed. T. J. Donohoe)

### Selenocarboxylic Acids and Derivatives

*T. Murai*  
(Eds. M. Wang and X. Jiang)

### Synthesis of Carboxylic Acids from Carboxylic Acid Derivatives

*E. Leclerc*  
(Ed. J.-M. Campagne)

### Synthesis of Alkanoic Acids Using Carbon Dioxide through Catalytic C-C Bond-Forming Reactions

*V. K. Rawat and T. Mita*  
(Ed. J.-M. Campagne)

### Alk-1-enyl Sulfides

*M. Kwiatkowska and P. Kielbasiński*  
(Ed. J. Drabowicz)

### Synthesis of Esters from Carboxylic Acids and Derivatives

*R. M. de Figueiredo*  
(Ed. J.-M. Campagne)

### Tellurocarboxylic Acids and Derivatives

*T. Murai*  
(Eds. M. Wang and X. Jiang)

### Synthesis of Carboxylic Acids from Aldehydes and Ketones

*A. Favre-Réguillon*  
(Ed. J.-M. Campagne)

### Ortho Esters and Halogenated Derivatives

*H. Zhu and Q. Fan*  
(Eds. M. Wang and X. Jiang)

### Synthesis of 1-Iodo-n-Heteroatom-Functionalized Alkanes ( $n \geq 2$ ) by Addition across C-X ( $X = O, N, S$ ) or C-C Bonds

*J. P. Marcinišzyn, M. Kretzschmar, and T. Gulder*  
(Ed. T. Wirth)

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Dear Science of Synthesis Alerts,  
We're happy to present the newest content that has been released on Science of Synthesis.

Scroll down for articles from the volume on **Cross-Dehydrogenative Coupling** edited by Prof. Debabrata Hothi (Indian Institute of Technology Bombay).

Best regards,  
Your Science of Synthesis Team

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**Introduction**  
Dr. Hothi

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**Cross-Dehydrogenative Coupling: Development and Perspectives**  
Authors: D. H. Hoang, M. König, J. A. C. S. Li  
Editor: D. Hothi