

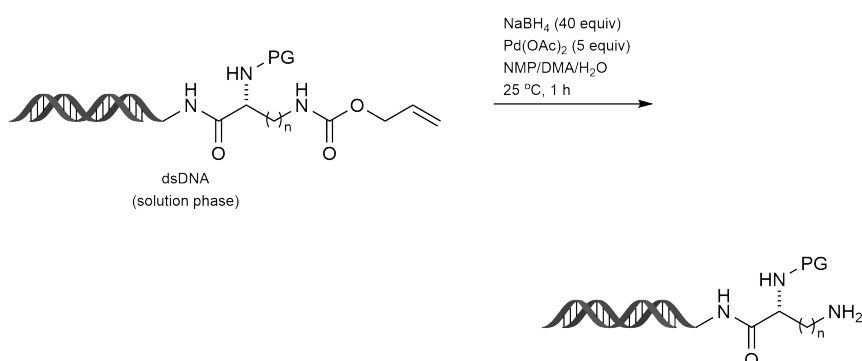
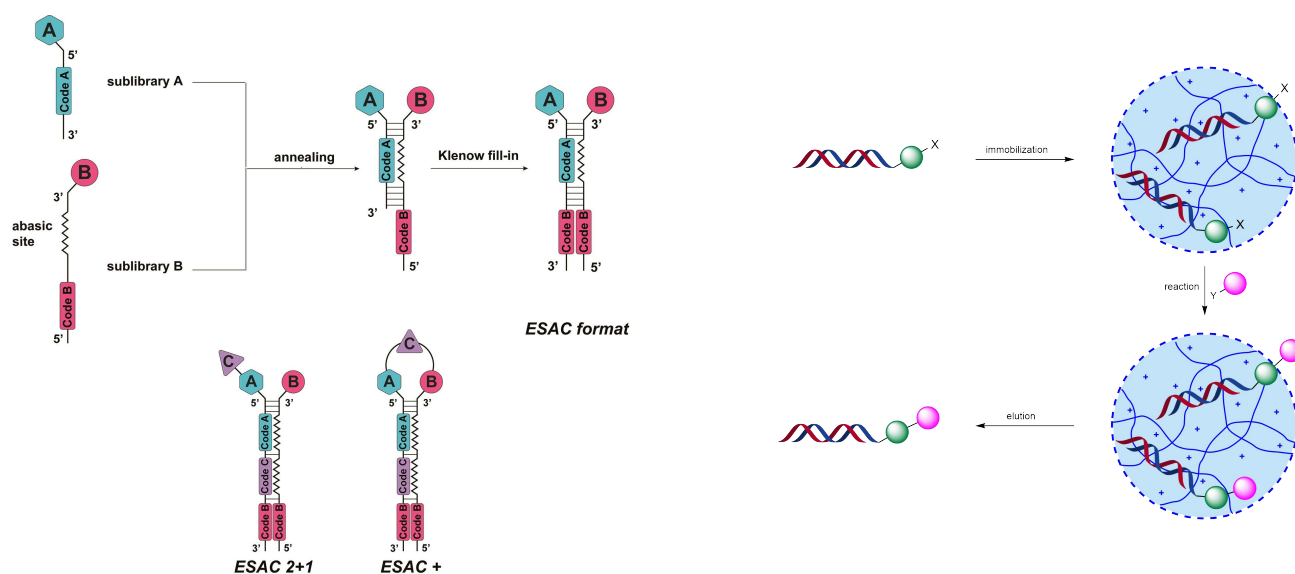
Release: SOS 4.31, December 2023

DNA-Encoded Libraries

This release includes 22 new articles from the upcoming volume

DNA-Encoded Libraries.

Edited by Dr. Jörg Scheuermann (ETH-Zurich, Switzerland) and Prof. Yizhou Li (Chongqing University, P. R. China)



- **Amide-Bond-Forming Reactions**
Y. Li, X. Fang, and Y. Wang
- **Metal-Free DEL-Compatible C-C Bond Forming Reactions**
Z. Wang and A. L. Satz
- **On-DNA C-H Transformations**
X. Wang and X. Lu
- **Metal-Promoted DEL-Compatible C-C Bond Forming Reactions**
F. Migliorini, S. Puglioli, D. Neri, S. Cazzamalli, and N. Favalli
- **On-DNA Functional-Group Transformations**
N. Simmons, P. Chheda, and D. Schuman
- **Covalent Attachment on a Solid Support**
R. M. Franzini
- **Encoding Using Single-Stranded DNA (Iterative Splint-Ligation Procedures)**
T. Georgiev, S. Cazzamalli, D. Neri, and G. Bassi
- **Encoded Self-Assembling (Dynamic) Chemical Libraries**
L. Prati, L. Lucaroni, S. Cazzamalli, D. Neri, and S. Oehler
- **Macrocyclic DELs**
D. Gillingham and B. Sauter
- **DEL Selection Using DNA-Programmed Affinity Labelling (DPAL)**
Y. Huang and X. Li
- **Selections of DNA-Encoded Libraries to Protein Targets within Living Cells**
B. Cai and C. J. Krusemark
- **On-DNA Cyclization Reactions**
G. Liu and J. Feng
- **On-DNA C-X (X = N, O, P, S, Se) Bond Forming Reactions**
W. Hou, G. Yang, and H. Xu
- **On-DNA Photoredox-Catalyzed Reactions**
A. Granados and G. A. Molander
- **DNA-Encoded Isocyanide Multicomponent Reactions**
S. Willems and A. Brunschweiler
- **Reversible Immobilization of DNA for Chemical Modification**
R. M. Franzini
- **Micelle-Mediated Synthesis**
J. S. Graham, H. A. Stanway-Gordon, and M. J. Waring
- **Chemical Ligation/Encoding**
A. D. Keefe and A. Litovchick
- **Peptide Nucleic Acid (PNA) Encoded Libraries**
L. Farrera-Soler, B. R. Vummidi, S. Barluenga, and N. Winssinger
- **Natural-Product-Enriched DELs**
H. Xu, P. Ma, and G. Yang
- **Selections of DNA-Encoded Libraries to Protein Targets on Living Cells**
B. Cai and C. J. Krusemark

Science of Synthesis Knowledge Updates

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This release includes eleven new articles from the **Knowledge Updates**.

- **Diphosphino–Boryl (PBP) Pincer Complexes**
M. Yamashita
(Ed. E. Fernández)
- **2H-1-Benzopyrans and 4H-1-Benzopyrans**
X. Xiao
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C.-Y. Ho and D. Raja
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T. Tobrman
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Scroll down the articles from the volume on **Cross-Dehydrogenative Coupling** edited by Prof. Debabrata Malli (Indian Institute of Technology Bombay)

Best regards,
Your Science of Synthesis Team

Introduction
D. Malli

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Cross-Dehydrogenative Coupling: Development and Perspectives
Authors: C.-Y. Huang, H. Kang, and C.-J. Li
Editor: D. Malli

The diagram shows a chemical reaction for cross-dehydrogenative coupling. On the left, there are two molecules: one with a C-H bond and another with an H-X bond. An arrow labeled 'cross-dehydrogenative coupling' and 'C-C' points to the right. On the right, there are two molecules: one with a C-C bond and another with an H-X bond. Below the arrow is '-HX'.