

Investigating cobalt-catalyzed transformations of *N*-allylic systems: from deallylation to isomerization

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Advances in cobalt catalysis over the past decade have proven this metal's broad capabilities.¹ We focused on *N*-allylic compounds and investigated their transformation under a simple catalytic system containing cobalt(II)-bromide as a commercially available and inexpensive cobalt source. Depending on the substrate type, deallylation or positional isomerization of double bond² can take place in up to quantitative yields. Deallylation is applicable as a method for deprotection, and isomerization produces *N*-alkenyl functionalities which can have various applications.³

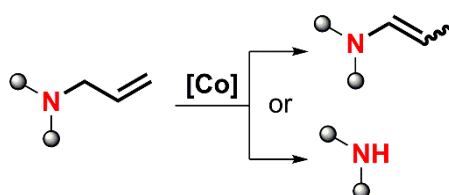


Figure 1. Cobalt-catalyzed isomerization and deallylation of *N*-allylic compounds.

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