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## Sommario/riassunto

"The development of efficient and straightforward methods to obtain chiral compounds is an important and challenging research area in modern synthetic organic chemistry. Especially asymmetric hydrogenation reactions have been investigated extensively in the past decades. This reaction methodology was pioneered by Knowles and Noyori (Nobel Prize in Chemistry 2001) and is now frequently used in both academia and industry. It is an economical reaction, easy to carry out, and environmentally friendly. It allows the efficient preparation of chiral building blocks of natural products, pharmaceuticals, agrochemicals, and flavors"--

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