

Catalysis - an important tool in Siegfried's offering

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Siegfried AG is one of the leading CDMOs (Contract Development & Manufacturing Organization) for the Pharma industry. This market is steadily growing at ca 5% annually as the outsourcing trend continues. Drivers for the outsourcing are amongst others the focus of Pharma companies on their core competence and increased cost awareness.

An integrated supplier in this field requires a broad technology and competence portfolio. Catalysis plays a key role in the chemical development of Pharma intermediates and Active Pharmaceutical Ingredients. Organocatalysis, hetero- and homogeneous catalysis as well as biocatalysis all have to be part of a comprehensive CDMO offering. Besides the technology as such, it is important to implement tools for an efficient process development. The capability to scale-up processes fast and in a safe manner is essential for success. Case studies from Siegfried AG for the systematic approach as well as homogeneous chiral hydrogenation, Suzuki coupling, metathesis and biocatalytic enantioselective reduction of ketones are presented.