

## Kamal Pharmachem Inc.

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### Hydrogenation

Hydrogenation is a Kamal Pharmachem specialty and the company has an exceptionally broad portfolio of ligands, catalysts and enabling technologies for asymmetric and non-asymmetric hydrogenation of ketones, imines, aldehydes and olefins.

Asymmetric hydrogenation of ketones and imines yields chiral alcohols and amines which are valuable precursors and end-products in the pharmaceutical industry. The hydrogenation technologies are supported by a range of privileged chiral auxiliaries including aminophosphines, aminodiphosphines, biaryl diphosphines, phospholanes (DuPhos, BPE, Ferrolane, Bozphos), phosphinooxazolines and diamines. A variety of pre-formed chiral rhodium, ruthenium, iridium and copper catalysts are also available. KPC is capable of supplying kilogram and commercial scale quantities of all products.

