



TECHNOLOGY OFFER

Cinchona alkaloid derivatives as organocatalysts



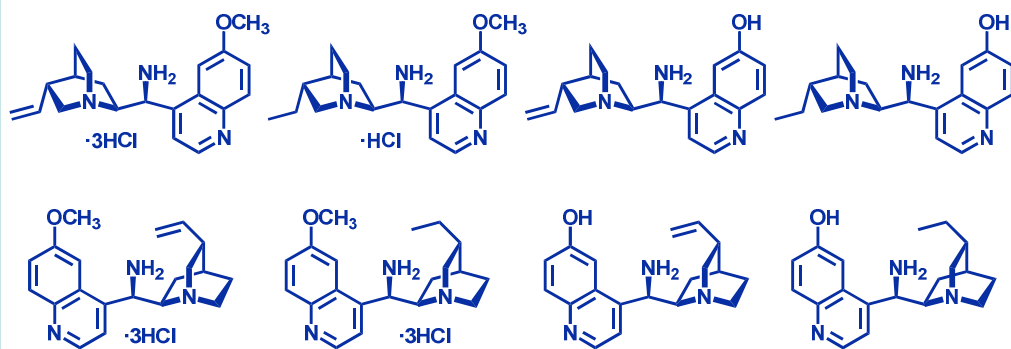
ICIQ is searching for licensees, product distributor and/or manufacturer for a series of 8 cinchona alkaloid derivatives, bearing a primary amine functionality and useful as organocatalysts of a broad range of reactions. These compounds are prepared in a divergent synthesis, using readily available quinine and quinidine as starting materials.

Give your projects a strong starting IP position:

At ICIQ, we consider that patents are safe and solid tools to provide protection from competitors. This is why we file patents for our developed technologies: to give our co-development projects with industry a **strong starting IP position**. As a research centre our goal is always to co-develop our technology **adapting it to the industrial partner's specific needs** and ultimately transfer the technology to this company, with a **flexible licensing strategy** adapted to each case.

We believe these elements are essential to a **healthy open innovation framework** and to a growing knowledge-based economy.

Compounds offered:



Applications

These compounds may be used in organocatalytic reactions performed on any enolizable compound, allowing for the build-up of molecular complexity through iminium-enamine cascade processes. The first two primary amines are derived from the natural cinchona alkaloid quinine, whilst the second row primary amines derived from its naturally occurring pseudo-enantiomer quinidine. In this way, the pseudo-enantiomeric pair grants access to both enantiomers of the chiral product of the reaction. The structural differences in the compounds allows for tackling subtle polarity effects and for a fast catalyst screening.

Selected examples



Patent application EP12382291