Flow process for the preparation of the Wieland-Miescher and Hajoś-Parrish ketones

**Unique Technology Offer**

- The Wieland-Miescher and Hajoś Parrish ketones are highly valuable intermediates in the preparation of a wide range of biologically active products and naturally occurring ones, such as steroids.
- A polymer supported organocatalyst has been developed for the preparation of these two building blocks and their analogues.
- The catalyst is based on the tert-leucine scaffold and provides high yields and enantioselectivities in the preparation of the ketones.
- Being polymer supported, the catalyst is easily removed from the reaction mixture, i.e. by filtration.

**Value Proposition**

- Catalyst can be recycled and reused in further reaction runs without loss of performance.
- Catalyst can be used in flow conditions for large-scale preparation of valuable chemicals.
- Products of the reaction are useful building blocks for the pharmaceutical sector.

**Technology concept**

![Chemical structure diagram](image)

**Applications of the WMK**

- Digoxigenin
- Scopolodic acid B
- (-)-Glaconanobolin
- Adrenosterone
- Tachol R.70
- (+)-Cleomide

**Licensing Opportunity**

- Partner for joint development and commercialisation of applications is sought.
- Global licensing rights for the materials are available.
- Regional licensing deals will be considered.
- Flexible licensing strategy related to development milestones.

**Further information:**

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