

## A golden access to polyacene precursors

### Unique Technology Offer

- Hydropolyacenes can be prepared in a straightforward manner through gold(I) catalysis.
- Commercial organometallic catalysts are used.
- Key reactions are carried out in mild conditions: Low temperature and low catalyst loadings
- The method exhibits a broad substrate scope and high functional group tolerance, which makes it suitable for further functionalization.
- High yielding methodology, potentially unlocking new compounds
- European Patent application filed.

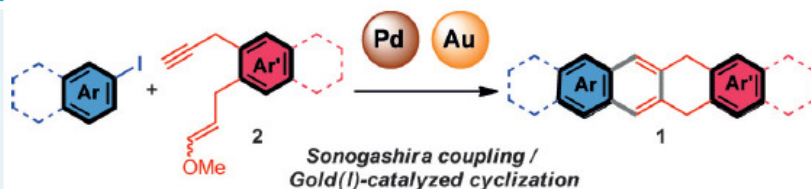
### Value Proposition

- Hydropolyacenes are useful synthetic precursors of polyacenes and other polyaromatic hydrocarbons, being shelf-stable and easily converted to polyacenes.
- The offered methodology affords the access to a new family of large polyacenes, with promising applications in the field of organic electronics.
- Polyacenes have strong potential as supercapacitors, for applications in OFETs, TFTs, etc.

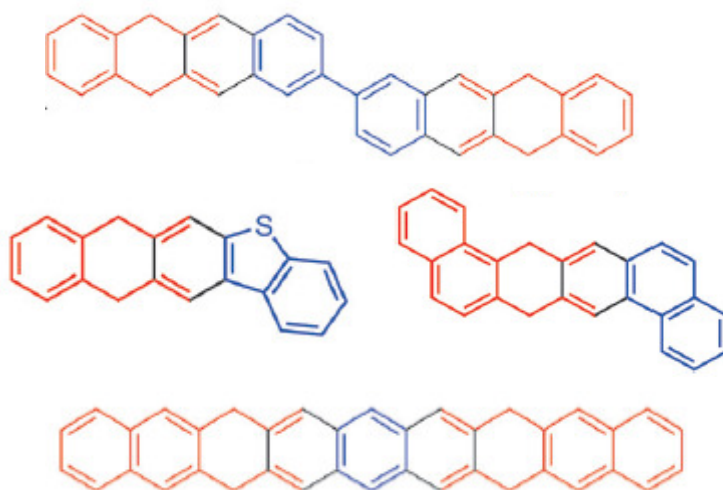
### Business opportunity

- Large polyacenes represent a high potential in terms of applications, as they are expected to improve the performance of organic electronics.
- The market forecast for materials for supercapacitors is estimated to reach \$ 1,74 billion in 2020, with a CAGR of ca. 29,35% for the 2013-2020 period. Being able to provide stable precursors for key materials in this field represents a huge competitive advantage on the market, driven by manufacturability and low cost.

### Technology concept



Conceptual approach to hydroacenes.



Examples of prepared dihydropolyacene compounds

### Licensing Opportunity

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

### Further information:

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