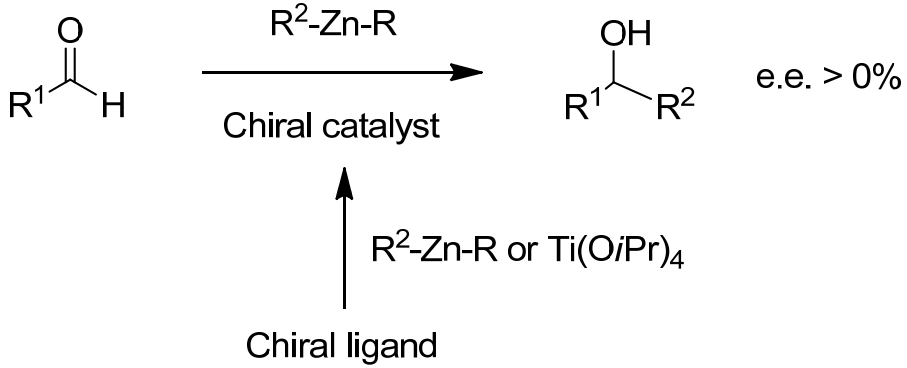
Different influence of polyoxygenation on the catalytic activity of amido vs. amino isoborneols

Enantioselective addition of organozinc reagents to aldehydes:

- C-C bonds - asymmetric
- Chiral secondary alcohols



Search for new ligands

- EFFICIENCY (yield, *ee*, reaction rate, TON)
- VERSATILITY (substrate – aldehyde AND reagent – organozinc)
- CHEMICAL SUSTAINABILITY (synthesis / reusable)

* affordable, renewable SM
* enantiopurity coming from the *Chiral Pool*
* simple synthesis

Camphor-derived N,N-disubstituted hydroxyamides

Modulate catalytic activity by polyoxygenation?

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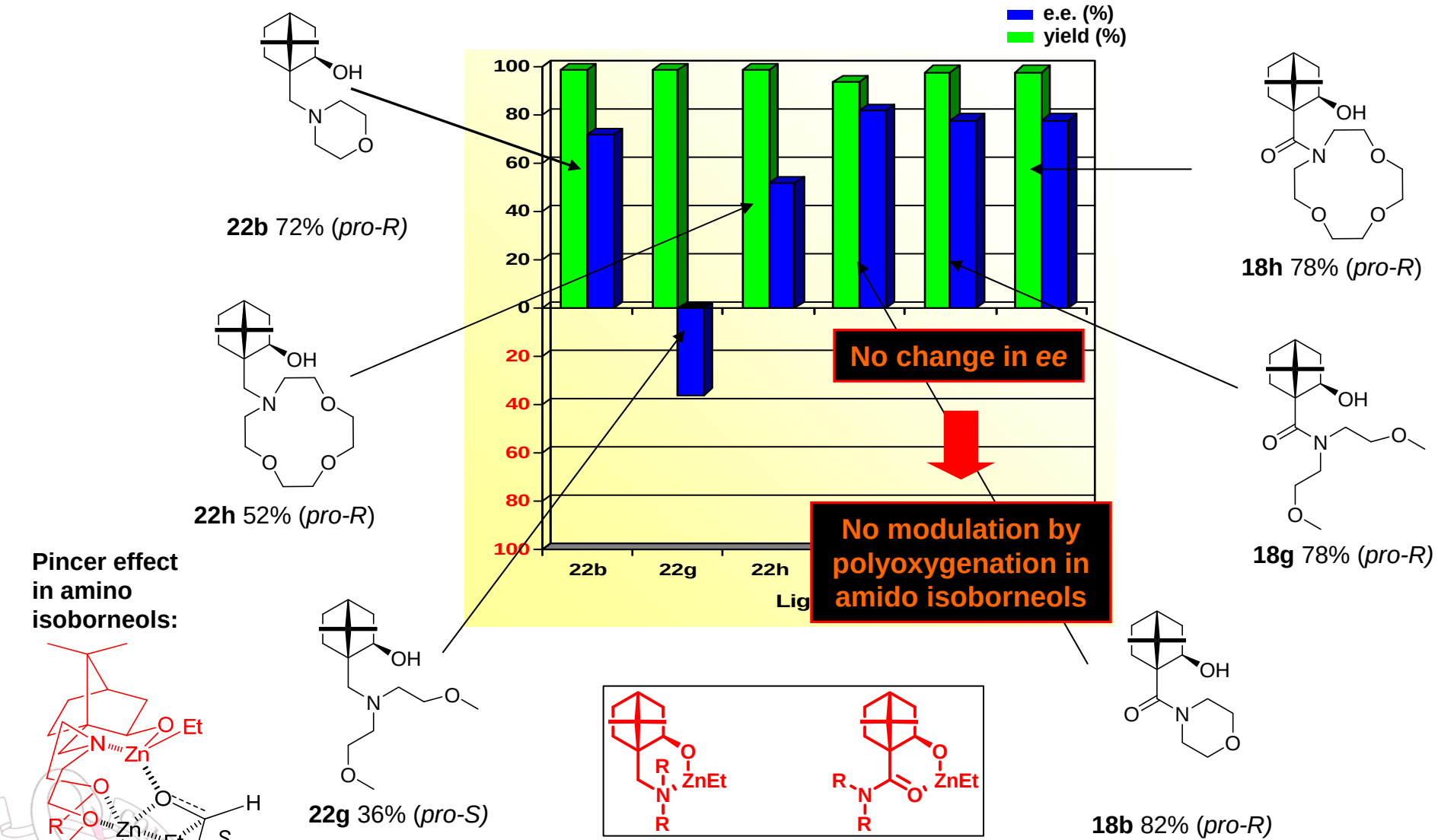

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