

# Edelris Custom Synthesis & Route Scouting

## Example 1

**Target:** macrocyclic small molecule with 1 stereocenter

**Existing synthesis:** 11 linear steps, 0.5%, racemate

### Objectives

Develop convergent route

Devise efficient ways to introduce and control chirality

### Workflow

3 strategies studied in wet chemistry

### Results

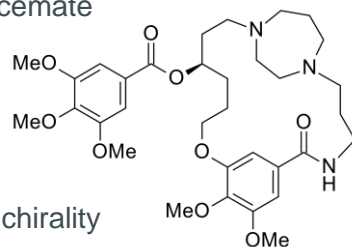
Convergent enantioselective strategy validated in 2.5 months with 2 FTEs

Longest linear sequence: 7 steps

Total steps: 11

Overall yield: 2%

More details can be found in the published [patent application](#).



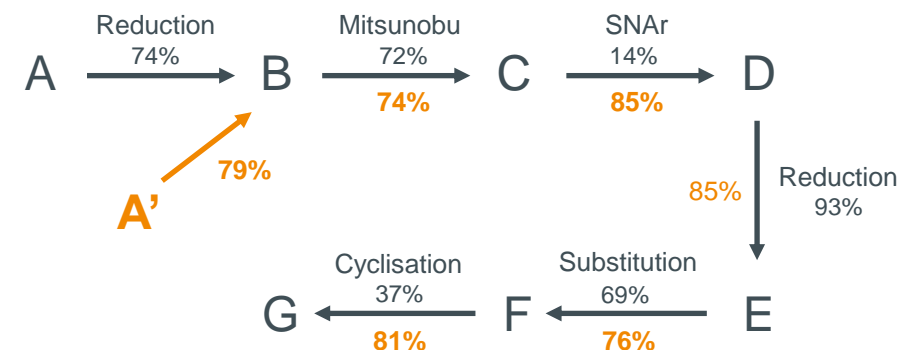
## Example 2

**Target:** Small molecule hit identified by client

**Existing synthesis route:** 6 linear steps, 50mg, 3% overall yield

**Objectives:** Custom Synthesis and optimization of an existing route

### Results



Route	Scale	Overall yield
Original synthesis	50mg	3%
Edelris optimized synthesis	8g	26%