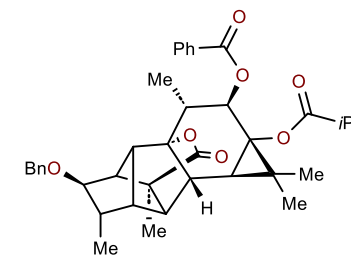


- Isolated in 2021 by Ferreira et al from *Euphorbia pedroi*
- Biosynthesis thought to be from a tigliane precursor (similar to phorbol and related natural products)
- Key structural features:
  - Unprecedented 5-5-6-6-3 scaffold ('pedrolane')
  - bicyclo[2.2.1]heptane
  - 12 stereogenic centres



*Euphorbia pedroi*

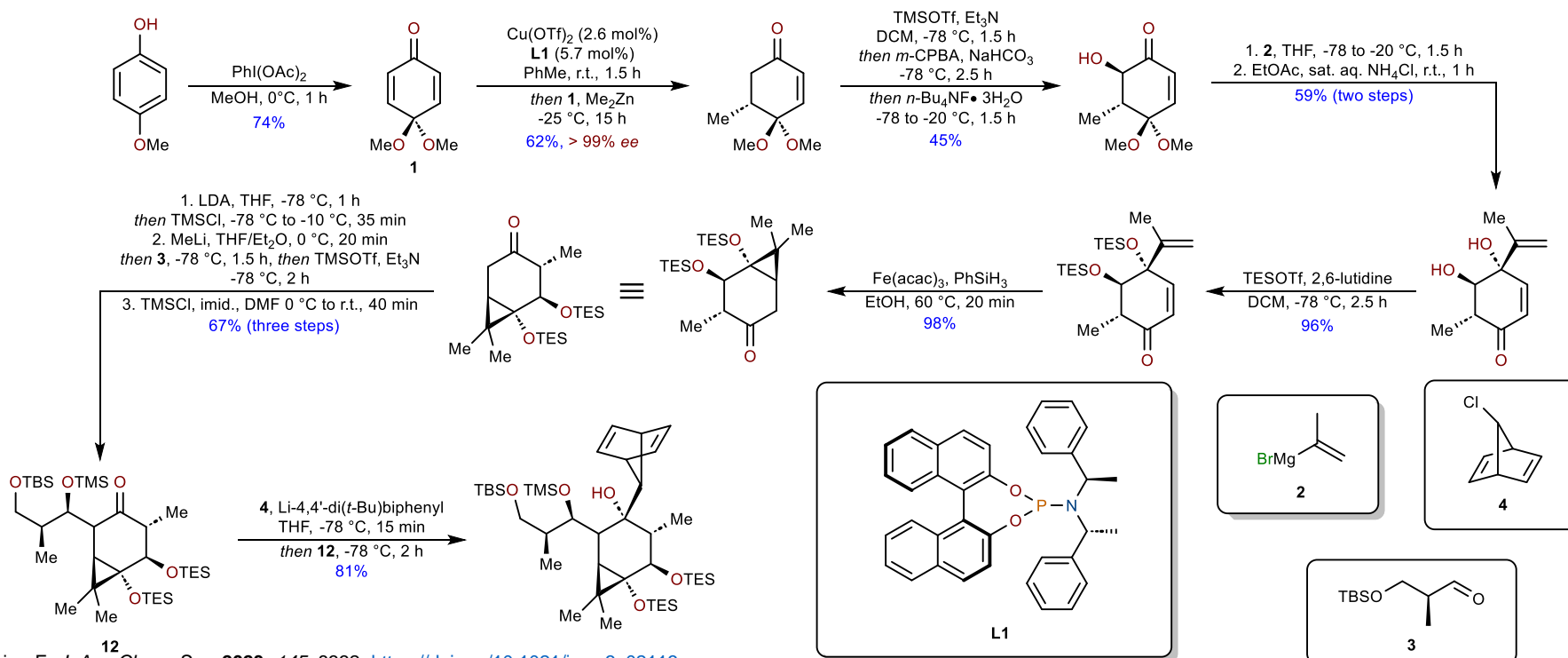


(+)-Pedrolide

Two reported syntheses:  
Carreira (2023) and Li (2024)

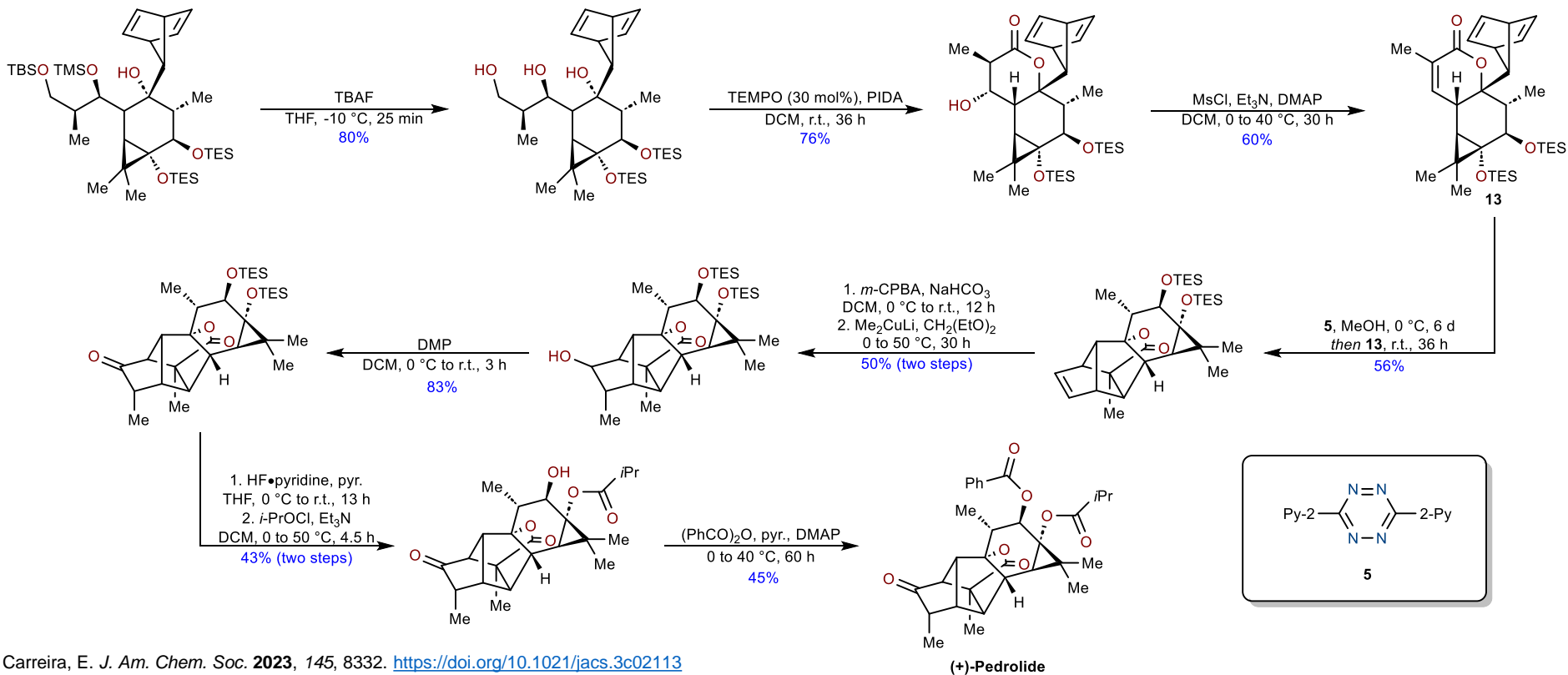
Ferreira, M. *Org. Lett.* **2021**, 23, 274. <https://doi.org/10.1021/acs.orglett.0c03647>

## Carreira's Synthesis (2023)



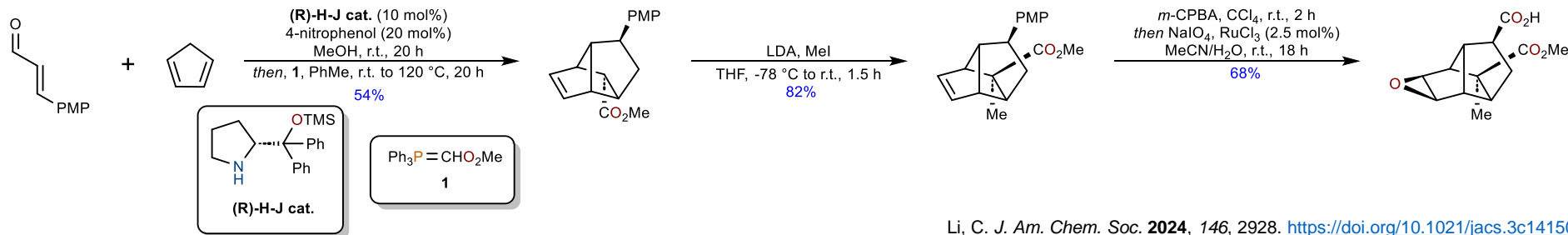
Carreira, E. *J. Am. Chem. Soc.* **2023**, 145, 8332. <https://doi.org/10.1021/jacs.3c02113>

**Carreira's Synthesis (2023) Continued**



Carreira, E. *J. Am. Chem. Soc.* **2023**, 145, 8332. <https://doi.org/10.1021/jacs.3c02113>

**Li's Synthesis (2024)**



Li, C. *J. Am. Chem. Soc.* **2024**, 146, 2928. <https://doi.org/10.1021/jacs.3c14150>

**Li's Synthesis (2024) Continued**

