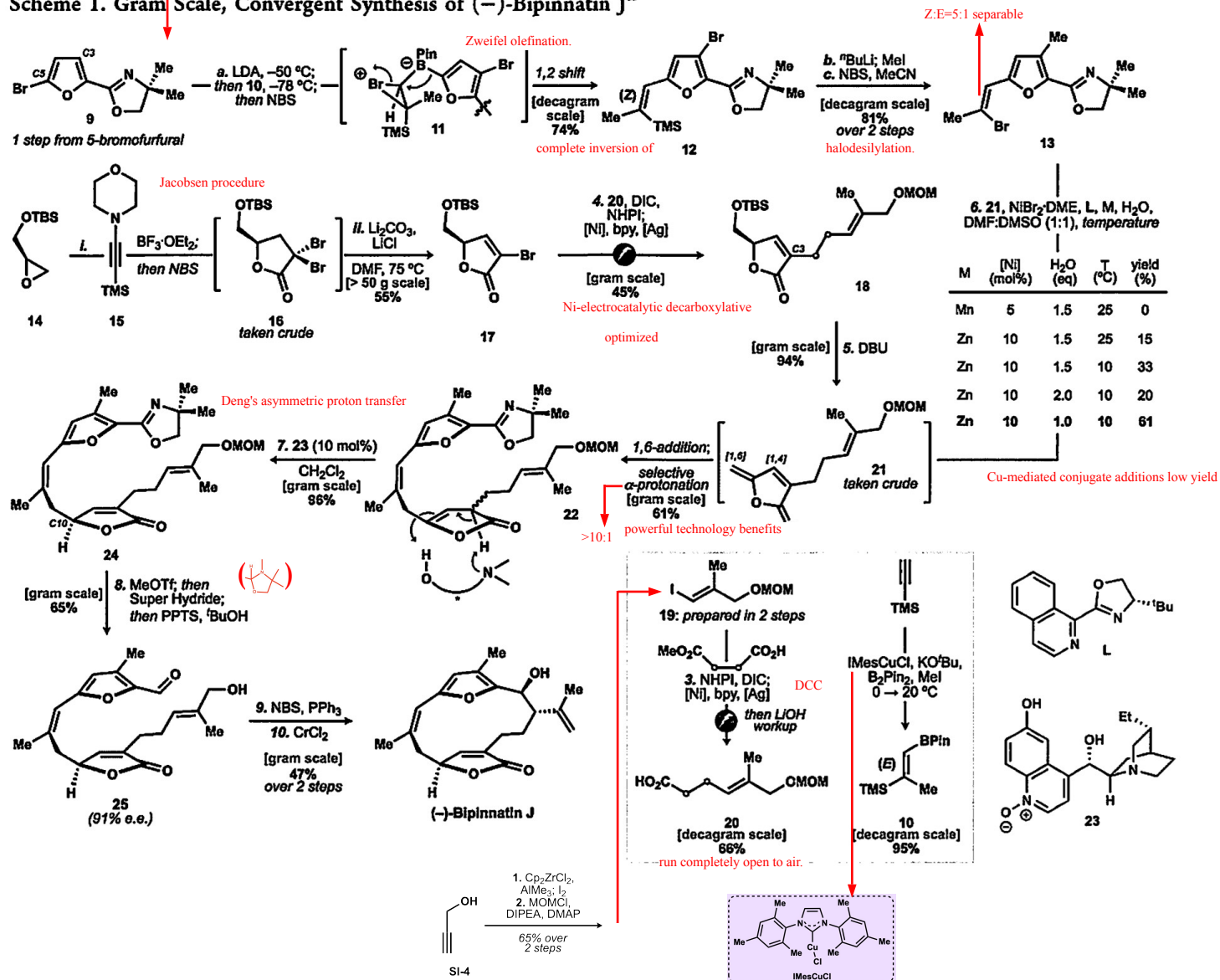


Scheme 1. Gram Scale, Convergent Synthesis of (-)-Bipinnatin J^a



MeO₂C-CH₂-CH₂-CO₂H: an ethylene source to bridge different sp² components.