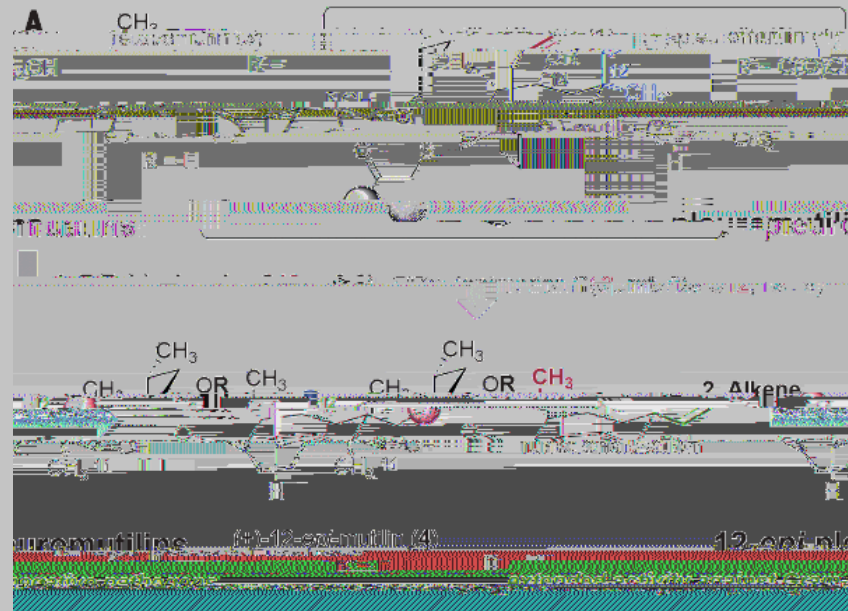


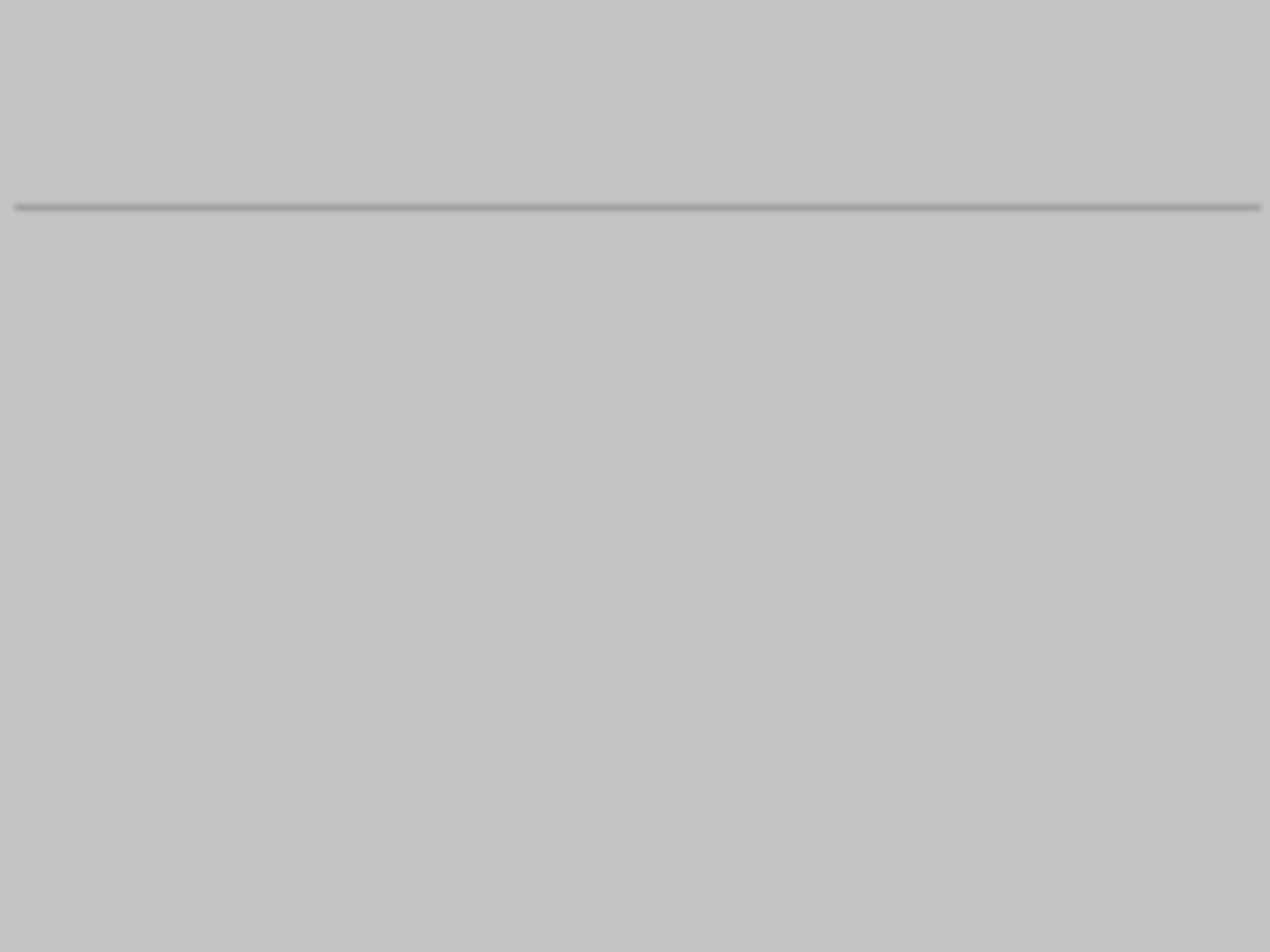
Total synthesis of pleuromutilin antibiotics

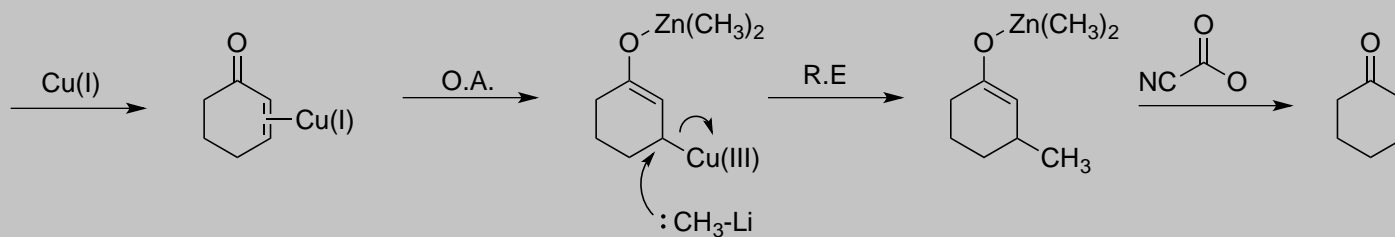
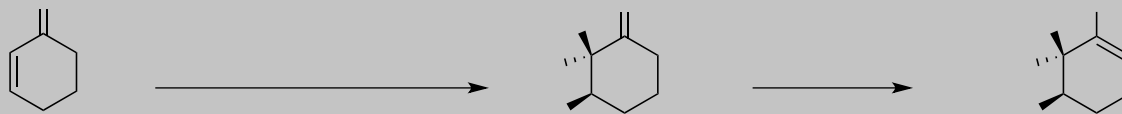
Murphy, S. ; Zeng, M.; Herzon, S. "A modular and enantioselective synthesis of the pleuromutilin antibiotics" Science. , , - .

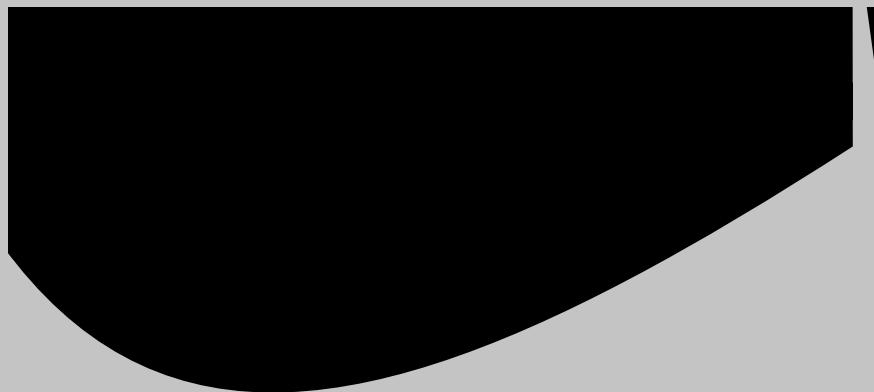
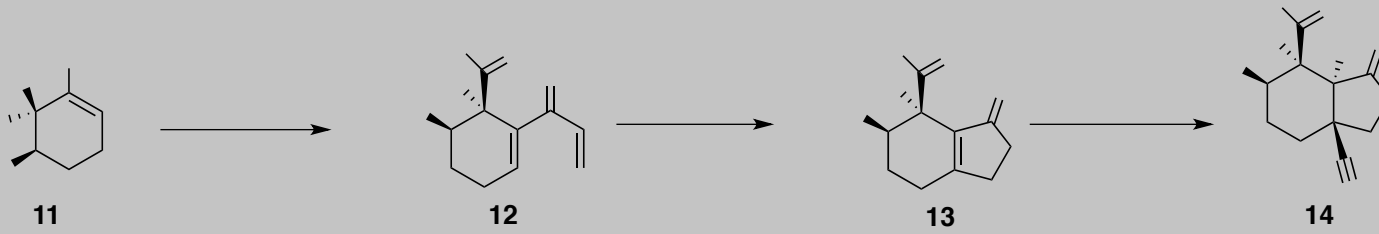
A new class of antibacterials that inhibit the growth of various gram-negative pathogens.

- Binding to the highly conserved peptidyl transferase center of the bacteria ribosome.
- Resistance is slow to develop and it displays minimal cross-resistance with existing antibiotics.
- This work represents a flexible strategy to access pleuromutilin and overcome the inherent limitations of semi-synthetic modification of ()-pleuromutilin.

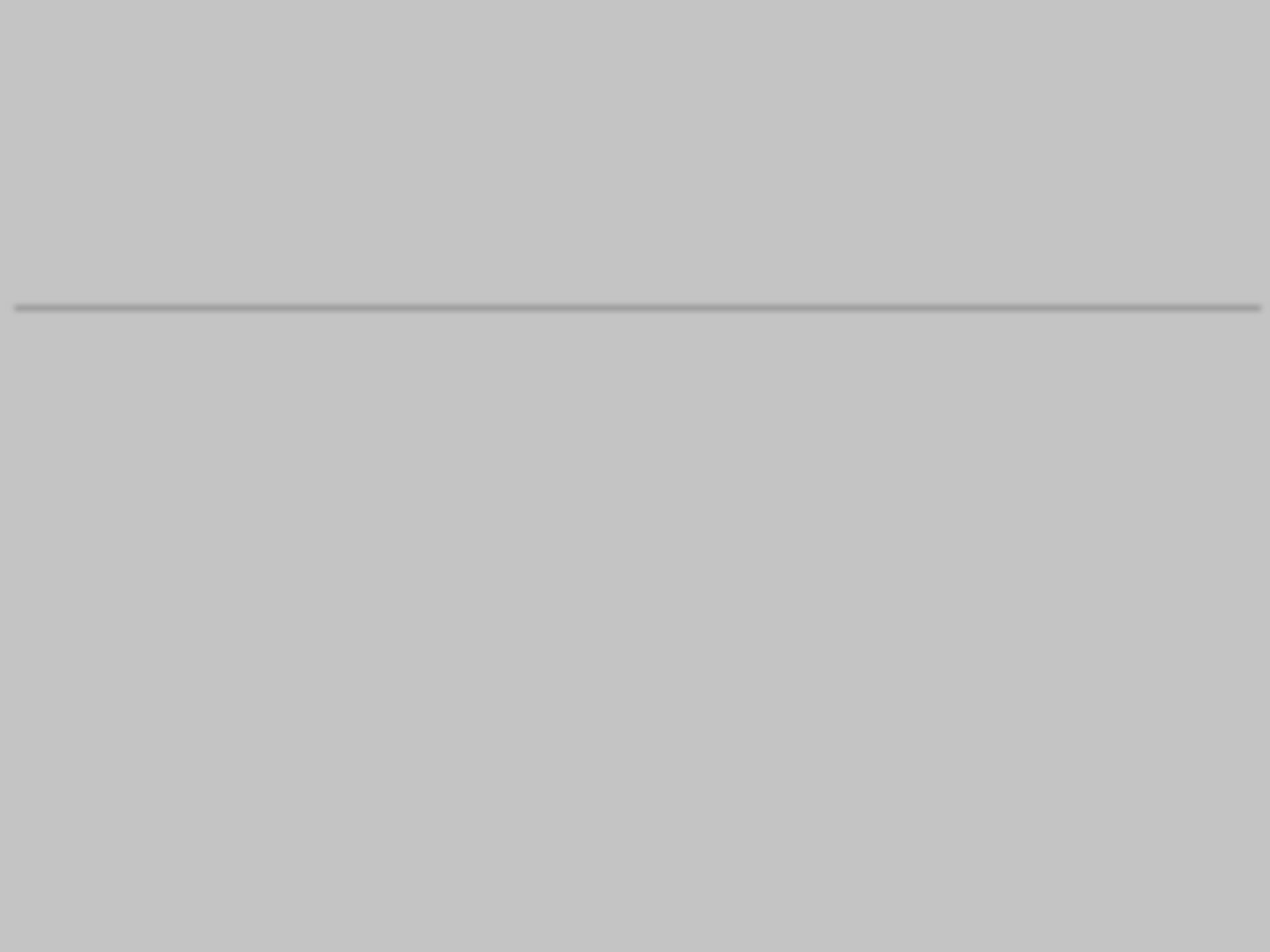


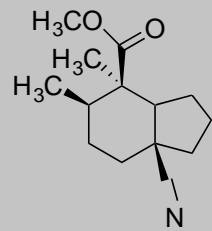


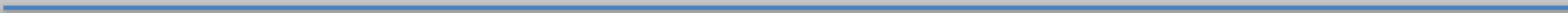
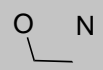




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