

Total Synthesis of Antibiotics: Recent Achievements, Limitations and Perspectives.

Applied Microbiology and Biotechnology

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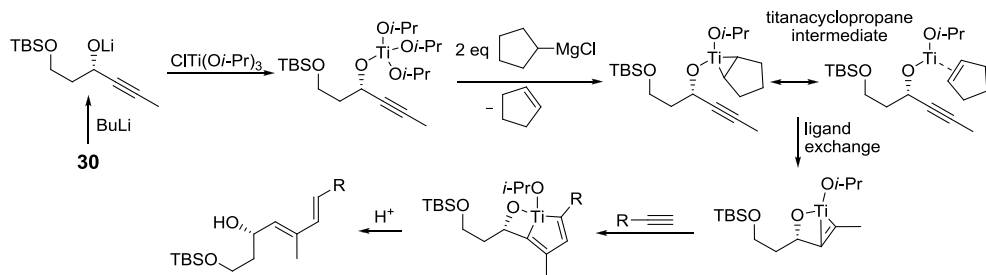
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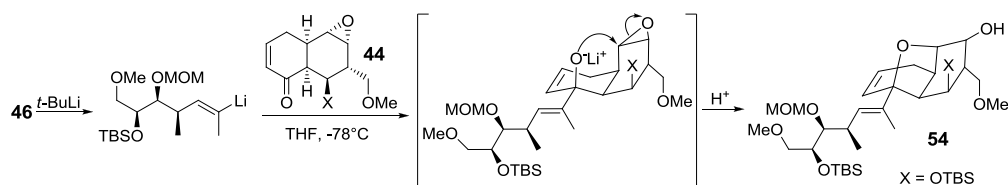
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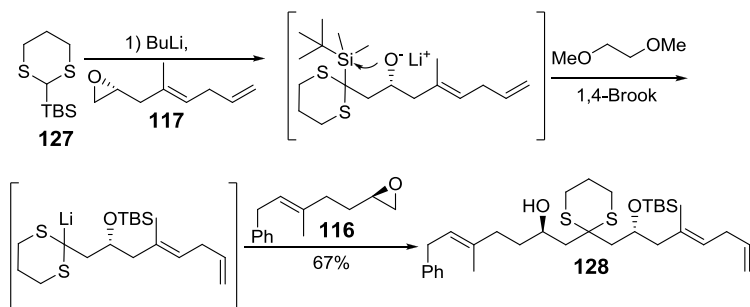
Supplementary Information.



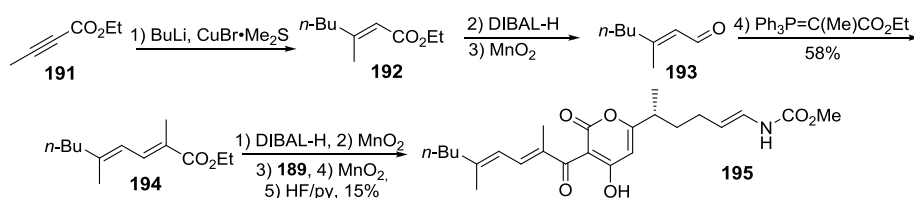
Scheme S1. Mechanism of the Ti(II)-mediated alkyne-alkyne coupling.



Scheme S2. Cascade carbonyl addition/epoxide opening construction of branimycin core.



Scheme S3. Linchpin coupling of 2-TBS-dithiane with epoxides **116** and **117**.



Scheme S4. Total synthesis of myxopyronin B