



Significance:

Zhang and coworkers have achieved a concise and divergent synthesis of polychlorinated marine steroids clionastatins A and B from inexpensive testosterone through a unique two-stage chlorination–oxidation strategy.

Comment:

- Highly stereoselective dichlorination at C1 and C2 and C4–OH-directed C19 oxygenation.
- Desaturation through one-pot photo-chemical dibromination–reductive debromination and anti-Markovnikov olefin oxidation.