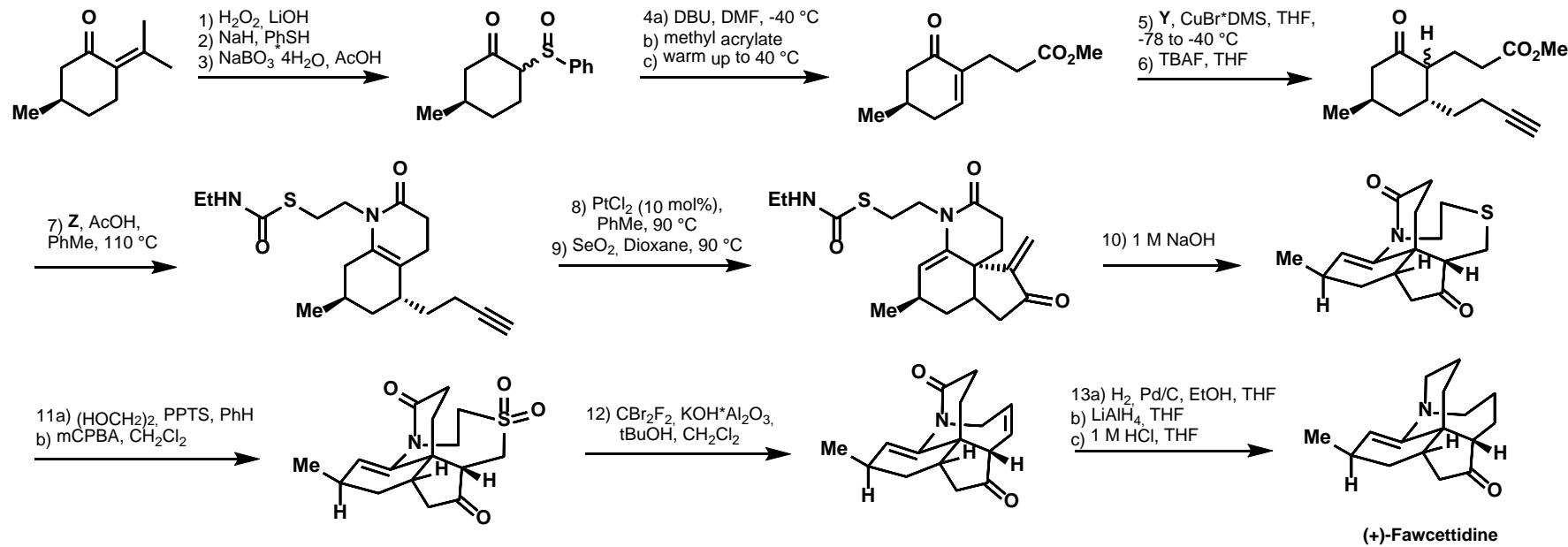
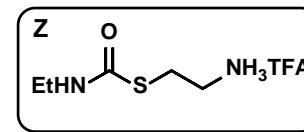
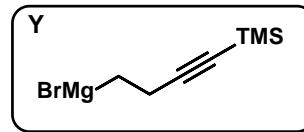
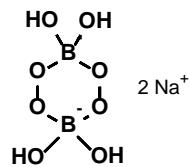


# Solution



Add on:

What is the structure of  $\text{NaBO}_3 \cdot 4\text{H}_2\text{O}$ ?



## Literature:

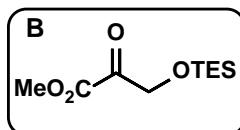
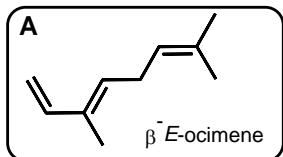
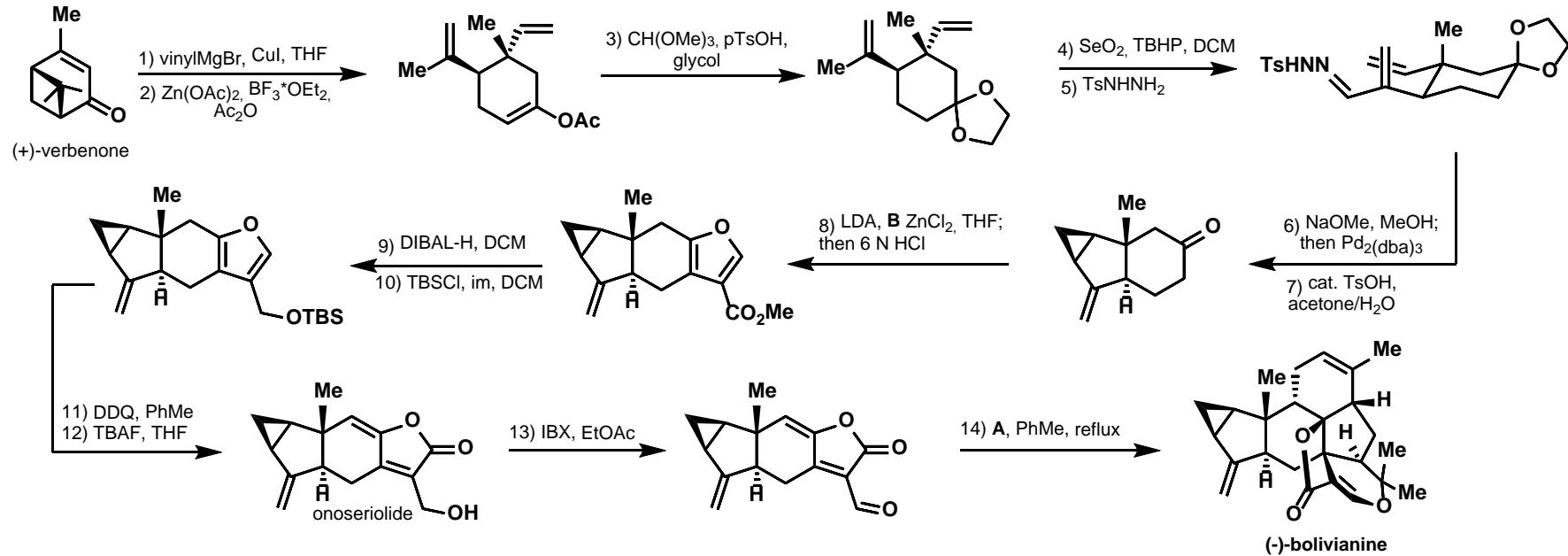
Pulegone transformation: J. Org. Chem. 1984, 2647 - 2648.

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One-pot Ramberg-Bäcklund: J. Am. Chem. Soc. 1969, 7510 - 7512. J. Chem. Soc., Chem. Commun. 1994, 1771 - 1772.

## Synthesis:

Angew. Chem. Int. Ed. 2008, 4221 - 4223.



**Literature:**

Verbenone transformation: J. Org. Chem. 1993, 3923 - 3927.

**Synthesis:**

J. Am. Chem. Soc. 2013, 135, 9291–9294