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# Novel synthesis of steroidal oximes and lactams and their biological evaluation as antiproliferative agents

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## Highlights

- Two novel and short methods to introduce the hydroxyimino group at C-6 on the steroidal skeleton are described.
- An efficient route to obtain B-homolactams in just three steps from the natural steroids is presented.
- The antiproliferative activity of the new steroidal oximes and lactams was evaluated.

## Abstract

A novel three-step methodology to obtain 6a-aza-B-homo steroidal lactams has been developed starting from the easily available cholesterol and pregnenolone. In addition, a new procedure for the synthesis of a 6a-aza-B-homo steroidal lactam analog of vespertilin, starting from diosgenin has