

# Gossypol: A Potential Contraceptive for Men



## Gossypol: A Potential Contraceptive for Men

(Reproductive Biology) by Sheldon J. Segal

★★★★☆ 4 out of 5

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File size : 18875 KB  
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Enhanced typesetting : Enabled  
Print length : 378 pages

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Gossypol is a natural compound that has been shown to have contraceptive effects in men. It is derived from the cotton plant, and has been used for centuries in traditional medicine for a variety of purposes, including as a male contraceptive.

## Mechanism of Action

Gossypol works by inhibiting the production of sperm. It does this by binding to the receptors for testosterone, the hormone that is responsible for sperm production. This binding prevents testosterone from binding to its receptors, which in turn inhibits the production of sperm.

## Clinical Trials

A number of clinical trials have been conducted to evaluate the efficacy and safety of gossypol as a male contraceptive. These trials have shown that

gossypol is effective in preventing pregnancy, and that it is generally safe and well-tolerated.

One of the largest clinical trials of gossypol was conducted in China in the 1980s. This trial involved over 1,000 men, and the results showed that gossypol was 99% effective in preventing pregnancy. The trial also found that gossypol was generally safe and well-tolerated, with the most common side effects being nausea and vomiting.

## **Safety Profile**

Gossypol is generally safe and well-tolerated. However, there are some potential side effects that should be considered before using gossypol as a contraceptive.

The most common side effects of gossypol are nausea and vomiting. These side effects are usually mild and transient, and they typically resolve within a few days.

In rare cases, gossypol can cause more serious side effects, such as liver damage and kidney damage. These side effects are more likely to occur in people who are taking high doses of gossypol for a long period of time.

Gossypol is a potential contraceptive for men that is effective, safe, and well-tolerated. It is a natural compound that has been used for centuries in traditional medicine, and it is currently being investigated as a modern contraceptive option.

If you are interested in using gossypol as a contraceptive, it is important to talk to your doctor first. Your doctor can help you determine if gossypol is

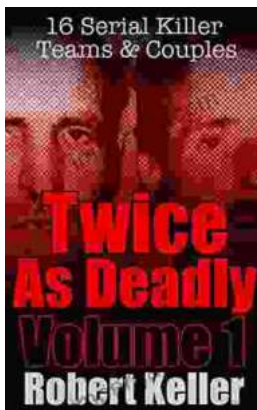
right for you and can help you monitor for any potential side effects.



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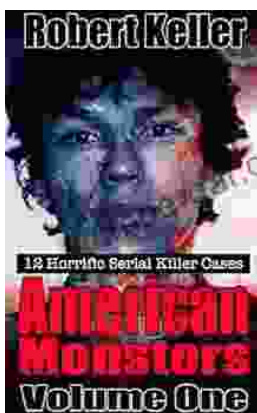
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