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**Paeoniflorin extract reverses dexamethasone-induced testosterone over-secretion through downregulation of Cytochrome P450 17A1 expression in primary murine theca cells**

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## **Abstract**

### *Ethnopharmacological relevance*

Polycystic Ovarian Syndrome (PCOS) is a complex endocrine and reproductive disorder. A main hallmark includes increased androgen production. The root of *Paeonia lactiflora* Pall. (Bai Shao) is used in Chinese herbal medicine for reproductive disorders, however its effects and mechanisms on ovarian theca cells has not yet been fully elucidated.

### *Aim of the study*

The aim of this study was to evaluate effect of paeoniflorin extract (PFE), the main constituents of Bai Shao, on androgen production in ovarian theca cells.

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