



## Regulation of activities of steroid hormone receptors by tibolone and its primary metabolites.

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**Table 1 :**

| Compounds \ Receptors | tibolone | $\Delta^4$ -tibolone | 3 $\alpha$ -OH-tibolone | 3 $\beta$ -OH-tibolone |
|-----------------------|----------|----------------------|-------------------------|------------------------|
| ER $\alpha$           | +        | +                    | ++                      | ++                     |
| ER $\beta$            | +        | +                    | ++                      | ++                     |
| AR                    | +        | +                    | -                       | -                      |
| PR                    | +        | +                    | -                       | -                      |
| GR                    | -        | -                    | -                       | -                      |
| MR                    | -        | -                    | -                       | -                      |

Different activities of tibolone and its metabolites on estrogen androgen progesterone glucocorticoid and mineralocorticoid receptors.