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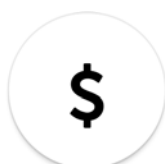


Compound Summary for CID 55245

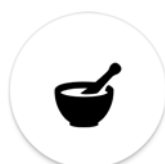
Mifepristone

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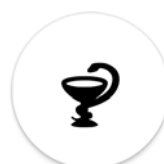
STRUCTURE



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PubChem CID: 55245**Chemical Names:** Mifepristone; 84371-65-3; Mifeprex; Mifegyne; RU-486; Mifepriston [More...](#)**Molecular Formula:** $C_{29}H_{35}NO_2$ **Molecular Weight:** 429.604 g/mol**InChI Key:** VKHAHZOOUSRJNA-GCNJZUOMSA-N**Drug Information:**[Drug Indication](#)[Therapeutic Uses](#)[Clinical Trials](#)[FDA Orange Book](#)[FDA UNII](#)**Safety Summary:** [Laboratory Chemical Safety Summary \(LCSS\)](#)

Mifepristone is a progestational and glucocorticoid hormone antagonist. Its inhibition of progesterone induces bleeding during the luteal phase and in early pregnancy by releasing endogenous prostaglandins from the endometrium or decidua. As a glucocorticoid receptor antagonist, the drug has been used to treat hypercortisolism in patients with nonpituitary CUSHING SYNDROME.

[▶ from MeSH](#)

Mifepristone is a Progestin Antagonist. The mechanism of action of mifepristone is as a Progestational Hormone Receptor Antagonist.

[▶ FDA Pharmacology Summary from FDA Pharm Classes](#)

Mifepristone is a derivative of the synthetic progestin [norethindrone](#) with antiprogestosterone activity. Mifepristone competitively binds to the [progesterone](#) receptor, resulting in inhibition of the effects of endogenous or exogenous [progesterone](#). This agent also exhibits antiglucocorticoid and weak antiandrogenic activities.

► *Pharmacology from NCI*

[PUBCHEM](#) ► [COMPOUND](#) ► MIFEPRISTONE

Modify Date: 2018-01-06; Create Date: 2005-06-24

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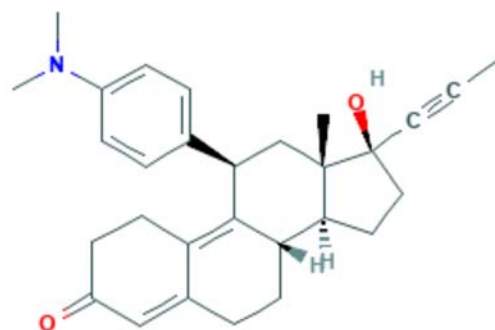
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1 2D Structure

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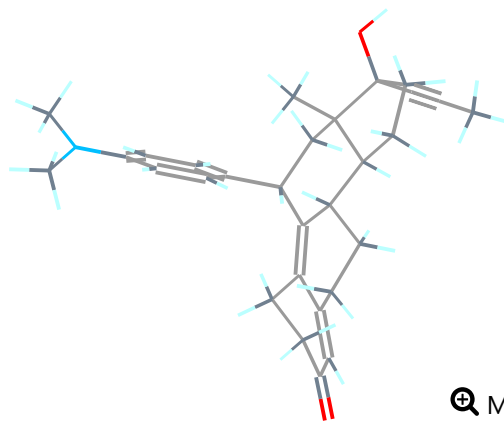
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2 3D Conformer

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