

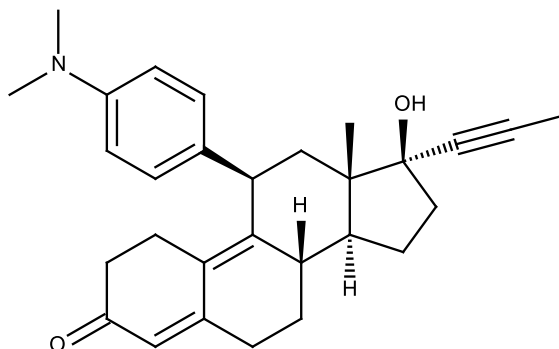
Catalog # 10-1053

Mifepristone

CAS# 84371-65-3

RU486, 11 β -[4-(Dimethylamino)phenyl]-17 β -hydroxy-17-(1-propynyl)estra-4,9-dien-3-one

Lot # X101044



Mifepristone is a cell-permeable steroid that is a potent antagonist at the progesterone and glucocorticoid receptors.¹ It is used clinically as an abortifacient. K_D progesterone receptor = 2.6 nM² and K_D glucocorticoid receptor = 0.4 nM³.

- 1) Cadepond *et al.* (1997) *RU486 (Mifepristone): Mechanisms of action and clinical uses*, Annu. Rev. Med. **48** 129
- 2) Terakawa *et al.* (1988) *RU486, a progestin antagonist, binds to progesterone receptors in a human endometrial cancer cell line and reverses the growth inhibition by progestins*, J. Steroid Biochem. **31** 161
- 3) Jung-Testas and Baulieu (1983) *Inhibition of glucocorticosteroid action in cultured L-929 mouse fibroblasts by RU486, a new anti-glucocorticosteroid of high affinity for the glucocorticosteroid receptor*, Exp. Cell Res. **147** 177

PHYSICAL DATA

Molecular Weight:	429.59
Molecular Formula:	C ₂₉ H ₃₅ NO ₂
Purity:	>98% (TLC: 5% Methanol/methylene chloride; R _f = 0.35)
Solubility:	DMSO (up to 40 mg/ml) or ethanol (up to 20 mg/ml)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at RT for up to one year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months

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