



LKT Laboratories, Inc.

Mifepristone

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Product Information

Product ID M3321

CAS No. 84371-65-3

Chemical Name (11B,17B)-11-[4-(Dimethylamino)phenyl]-17- hydroxy-17-(1-propynyl)estra-4,9-dien-3-one

Synonym RU-486, Mifegyne, Mifeprex

Formula C₂₉H₃₅NO₂

Formula Wt. 429.59

Melting Point 150° C

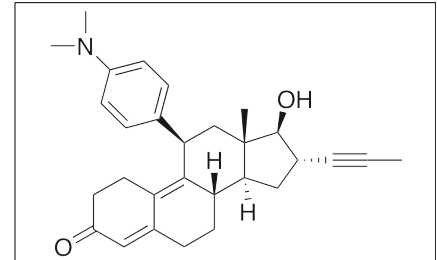
Purity ≥98%

Solubility Soluble in methanol, chloroform, or acetone.

Store Temp Ambient

Ship Temp Ambient

Description Mifepristone is a synthetic steroid that exhibits abortifacient, contraceptive, neuroprotective, cognition enhancing, and antidepressant activities. Mifepristone inhibits the glucocorticoid receptor and progesterone receptor; it prevents ovulation and induces endometrial decidual degeneration. In vitro, mifepristone protects hippocampal cultures against oxidative stress and cell death induced by amyloid-β (Aβ), glutamate, and H₂O₂, suggesting potential benefit in the treatment of Alzheimer's disease. Mifepristone also improves cognitive function, working memory, and spatial memory and improve symptoms of depression in clinical settings.



Bulk quantities available upon request

Product ID	Size
M3321	100 mg
M3321	500 mg
M3321	1 g

References Fiala C, Gemzel-Danielsson K. Review of medical abortion using mifepristone in combination with a prostaglandin analogue. *Contraception*. 2006 Jul;74(1):66-86. PMID: 16781264.

Young AH, Gallagher P, Watson S, et al. Improvements in neurocognitive function and mood following adjunctive treatment with mifepristone (RU-486) in bipolar disorder. *Neuropsychopharmacology*. 2004 Aug;29(8):1538-45. PMID: 15127079.

Behl C, Trapp T, Skutella T, et al. Protection against oxidative stress-induced neuronal cell death--a novel role for RU486. *Eur J Neurosci*. 1997 May;9(5):912-20. PMID: 9182944.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.