**Product overview**

Name: Mifepristone  
Cat No: HB2783  
Short description: Potent glucocorticoid and progesterone receptor antagonist. Also used for gene editing as a mifepristone inducible Cas9 and Cpf1 CRISPR effector.  
Biological description: Potent glucocorticoid (GR) and progesterone receptor (PR) antagonist ($EC_{50}$ values are 2, 10.6 and 9.5 nM at GR, PR-A and PR-B respectively). Also weakly binds the androgen receptor. Shows higher affinity for PRs than progesterone. Shows neuroprotective and antitumor effects. Active in vivo. Also used for gene editing as a mifepristone inducible Cas9 and Cpf1 CRISPR effector.  
Alternative names: RU486 | RU38486  
Biological action: Antagonist  
Purity: >99%

**Properties**

Chemical name: (11β,17β)-11-[4-(Dimethylamino)phenyl]-17-hydroxy-17-(1-propynyl)-estra-4,9-dien-3-one  
Molecular Weight: 429.6  
Chemical structure:  

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**Storing and Using Your Product**

Storage instructions: Room temperature  
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

**References for Mifepristone**
Mifepristone prevents stress-induced apoptosis in newborn neurons and increases AMPA receptor expression in the dentate gyrus of C57/BL6 mice.


PubMedID: 22140582

The chemopreventive effect of mifepristone on mammary tumorigenesis is associated with an anti-invasive and anti-inflammatory gene signature.


PubMedID: 22427346

Novel protective effect of mifepristone on detrimental GABAA receptor activity to immature Purkinje neurons.


PubMedID: 21795502

Binding of the anti-progestin RU-486 to rat ovary steroid receptors.


PubMedID: 6627946

Tamoxifen- And Mifepristone-Inducible Versions of CRISPR Effectors, Cas9 and Cpf1

Dominguez-Monedero et al (2018) ACS Synth Biol. 7(9) : 2160-2169

PubMedID: 30138555