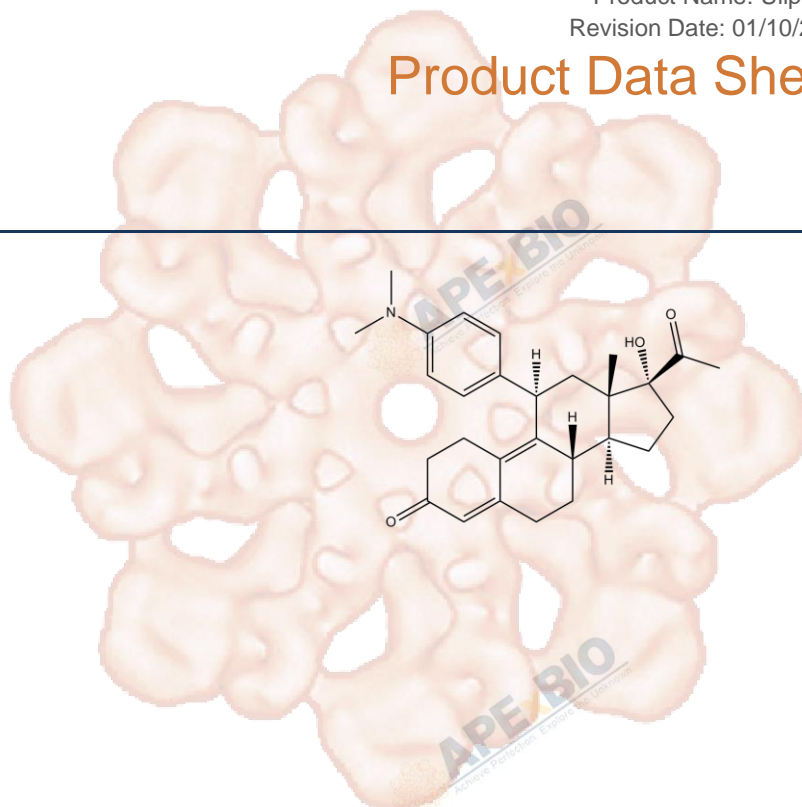


# Product Data Sheet

## Ulipristal

<b>Cat. No.:</b>	B2134
<b>CAS No.:</b>	159811-51-5
<b>Formula:</b>	C <sub>28</sub> H <sub>35</sub> NO <sub>3</sub>
<b>M.Wt:</b>	433.58
<b>Synonyms:</b>	
<b>Target:</b>	
<b>Pathway:</b>	
<b>Storage:</b>	Store at -20°C



## Solvent & Solubility

≥21.7 mg/mL in DMSO; insoluble in H<sub>2</sub>O; ≥19.73 mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		2.3064 mL	11.5319 mL	23.0638 mL
	5 mM		0.4613 mL	2.3064 mL	4.6128 mL
	10 mM		0.2306 mL	1.1532 mL	2.3064 mL

Please refer to the solubility information to select the appropriate solvent.

## Biological Activity

Shortsummary

progesterone receptor modulator

IC<sub>50</sub> & Target

In Vitro

### Cell Viability Assay

Cell Line:	Spermatozoa
Preparation method:	The solubility of this compound in DMSO is > 21.7 mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below - 20 °C for several months.
Reacting conditions:	0.04, 0.4, 4 and 40 μM

	Applications:	In progesterone-induced spermatozoa, Ulipristal ( $\geq 0.4 \mu\text{M}$ ) dose-dependently decreased acrosome reaction and hyperactivation. At the dose of $0.4 \mu\text{M}$ , Ulipristal reduced the percentages of progesterone-induced acrosome-reacted and hyperactivated spermatozoa by $33.1 \pm 7.3\%$ and $55.3 \pm 16.2\%$ .
In Vivo	<b>Animal experiment</b>	
	Applications:	

## Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

[1]. Ko J K Y, Huang V W, Li R H W, et al. An in vitro study of the effect of mifepristone and ulipristal acetate on human sperm functions[J]. Andrology, 2014, 2(6): 868-874.

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APExBIO Technology**

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