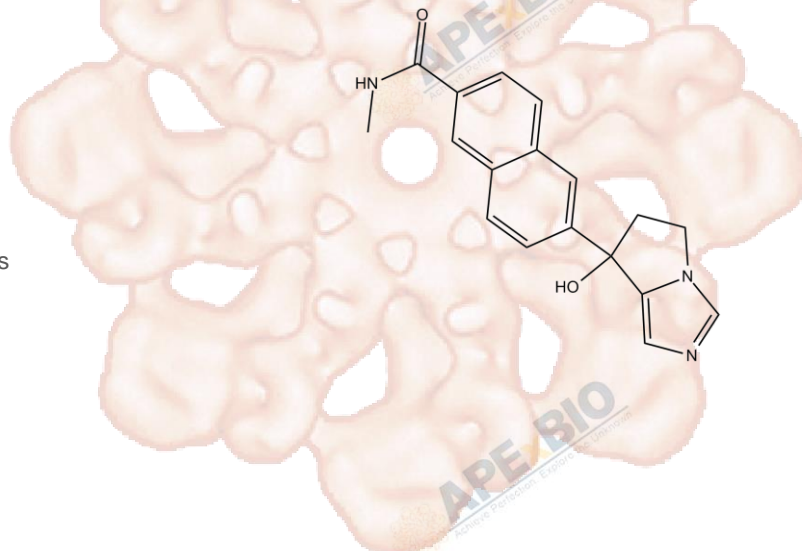


# Product Data Sheet

## TAK-700 (Orteronel)

<b>Cat. No.:</b>	A4326
<b>CAS No.:</b>	426219-18-3
<b>Formula:</b>	C <sub>18</sub> H <sub>17</sub> N <sub>3</sub> O <sub>2</sub>
<b>M.Wt:</b>	307.35
<b>Synonyms:</b>	
<b>Target:</b>	Endocrinology and Hormones
<b>Pathway:</b>	Androgen Receptor
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O;  $\geq 11.2$  mg/mL in DMSO;  $\geq 11.93$  mg/mL in EtOH with ultrasonic

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		3.2536 mL	16.2681 mL	32.5362 mL
	5 mM		0.6507 mL	3.2536 mL	6.5072 mL
	10 mM		0.3254 mL	1.6268 mL	3.2536 mL

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

### Biological Activity

Shortsummary

Human 17,20-lyase inhibitor

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1. Guengerich FP, Wilkey CJ, et al. "Conformational selection dominates binding of steroids to human cytochrome P450 17A1." J Biol Chem. 2019 Jun 28;294(26):10028-10041.PMID:31072872
2. Gonzalez E, Guengerich FP. "Kinetic processivity of the two-step oxidations of progesterone and pregnenolone to androgens by human cytochrome P450 17A1." J Biol Chem. 2017 Jul 6. pii: jbc.M117.794917.PMID:28684414
3. F. Peter Guengerich, Martin Egli, et al. "The Kinetic and Chemical Mechanisms of Human Cytochrome P450 17A1." Vanderbilt University. 2017 May.

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

## References

## 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. Short-term 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**

[www.apexbt.com](http://www.apexbt.com)

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: [info@apexbt.com](mailto:info@apexbt.com)

