

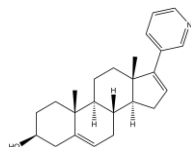
**PRODUCT: Abiraterone**

**ALTERNATE NAMES:** CYP17 inhibitor, (3S,8R,9S,10R,13S,14S)-10,13-dimethyl-17-pyridin-3-yl-2,3,4,7,8,9,11,12,14,15-decahydro-1H-cyclopenta[a]phenanthren-3-ol, Cytochrome P450 17A1 inhibitor

**CATALOG #:** B1607-5, -25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>24</sub>H<sub>31</sub>NO

**MOLECULAR WEIGHT:** 349.51

**CAS NUMBER:** 154229-19-3

**APPEARANCE:** Solid Powder

**SOLUBILITY:** DMSO: < 1 mg/ml; H<sub>2</sub>O: < 1 mg/ml

**PURITY:** >96%

**STORAGE:** Store at -20°C. Protect from air and light.

**DESCRIPTION:** Abiraterone (CB-7598) is a potent steroidal cytochrome P450 17alpha-hydroxylase-17,20-lyase (CYP17) inhibitor with an IC50 at 4 nM. Abiraterone is used in treatment of prostate cancer.

**REFERENCES:**

1. Pinto-Bazurco Mendieta et al., Synthesis, Biological Evaluation, and Molecular Modeling of Abiraterone Analogues: Novel CYP17 Inhibitors for the Treatment of Prostate Cancer. Journal of Medicinal Chemistry (2008), 51(16), 5009-5018.
2. Schweizer MT et al., Antonarakis ES. Abiraterone and other novel androgen-directed strategies for the treatment of prostate cancer: a new era of hormonal therapies is born. Ther Adv Urol. 2012 Aug;4(4):167-78.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

- AMMC iodide (2873)
- Azamulin (2915)
- Quinidine Sulfate dehydrate (2910)
- Bromocryptine (mesylate) (2916)
- Cobicistat (9474)
- PF-04981517 (2917)
- Quinidine Sulfate dehydrate (2910)

**USAGE:** *FOR RESEARCH USE ONLY! Not to be used in humans*