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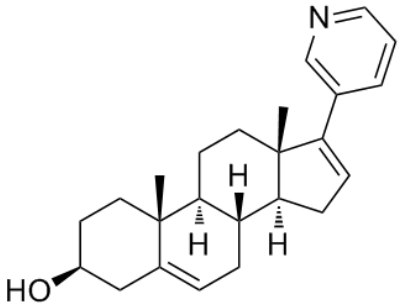
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Abiraterone
Cat. No.	:	PC-45937
CAS No.	:	154229-19-3
Molecular Formula	:	$C_{24}H_{31}NO$
Molecular Weight	:	349.509
Target	:	Cytochrome P450 (CYPs)
Solubility	:	DMSO: < 1 mg/mL; H2O: < 1 mg/mL



Biological Activity

Abiraterone (CB-7598) is a potent and irreversible **CYP17A1** inhibitor with IC50 of 4 nM for 17α-hydroxylase.
Abiraterone shows 6-fold more selective for inhibition of 17α-hydroxylase over 17,20-lyase.
Abiraterone also acts as a partial antagonist of the AR, and as an inhibitor of the 3β-HSD, CYP11B1, and other CYP450s (e.g., CYP1A2, CYP2C9, and CYP3A4).
Abiraterone is highly active in the treatment of castration-resistant prostate cancer; the active agent of prodrug abiraterone acetate.

References

Jarman M, et al. ***J Med Chem.*** 1998 Dec 31;41(27):5375-81.

O'Donnell A, et al. ***Br J Cancer.*** 2004 Jun 14;90(12):2317-25.

Attard G, et al. ***J Clin Oncol.*** 2009 Aug 10;27(23):3742-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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