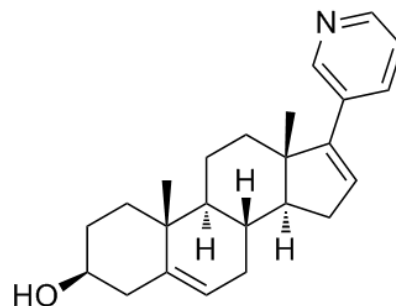


Product Name : Abiraterone
Cat. No. : PC-45937
CAS No. : 154229-19-3
Molecular Formula : C₂₄H₃₁NO
Molecular Weight : 349.509
Target : Cytochrome P450 (CYPs)
Solubility : DMSO: < 1 mg/mL; H₂O: < 1 mg/mL



Biological Activity

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

Prostate Cancer
Preclinical

References

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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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