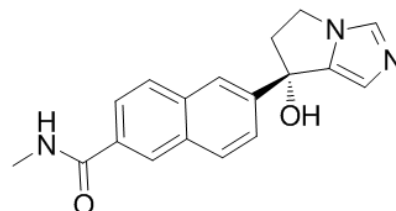


Product Name : Orteronel
Cat. No. : PC-42626
CAS No. : 566939-85-3
Molecular Formula : C₁₈H₁₇N₃O₂
Molecular Weight : 307.3465
Target : Cytochrome P450 (CYPs)
Solubility : 10 mM in DMSO



Biological Activity

A highly selective CYP17A1 (17,20-lyase) inhibitor with IC₅₀ of 17 nM for human 17,20-lyase; shows no activity on CYP3A4 (IC₅₀>10 μM) and CYP11B1 (IC₅₀>1 μM); reduces both serum testosterone and dehydroepiandrosterone concentrations in monkey model at a dose of 1mg/kg.

Prostate cancer

Phase 3 Discontinued

References

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Yamaoka M, et al. *J Steroid Biochem Mol Biol.* 2012 Apr;129(3-5):115-28.

Dreicer R, et al. *Clin Cancer Res.* 2014 Mar 1;20(5):1335-44.

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

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