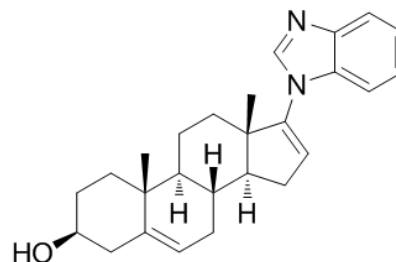


**Product Name** : TOK-001  
**Cat. No.** : PC-45936  
**CAS No.** : 851983-85-2  
**Molecular Formula** : C<sub>26</sub>H<sub>32</sub>N<sub>2</sub>O  
**Molecular Weight** : 388.5451  
**Target** : Cytochrome P450 (CYPs)  
**Solubility** : DMSO: 18 mg/mL



### Biological Activity

TOK-001 (Galeterone) is a potent 17 $\alpha$ -hydroxylase/17,20-lyase (**CYP17**) inhibitor with IC<sub>50</sub> of 300 nM.  
TOK-001 (Galeterone) also shown to be potent pure AR antagonist.  
TOK-001 (Galeterone) inhibits the growth of DHT-stimulated LNCaP and LAPC4 prostate cancer cells with IC<sub>50</sub> <10  $\mu$ M.  
TOK-001 (Galeterone) causes marked down-regulation of AR protein expression, more efficacious than castration in the LAPC4 xenograft model.

### References

Handratta VD, et al. *J Med Chem*. 2005 Apr 21;48(8):2972-84.  
Vasaitis T, et al. *Mol Cancer Ther*. 2008 Aug;7(8):2348-57.  
Bruno RD, et al. *Mol Cancer Ther*. 2008 Sep;7(9):2828-36.

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

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