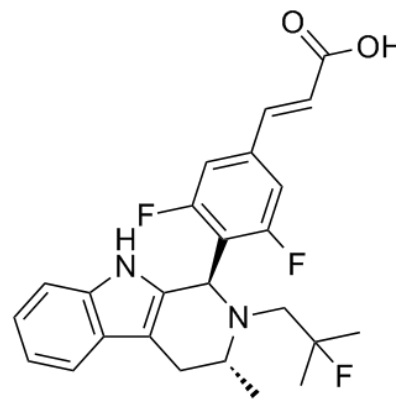


**Product Name** : AZD9496  
**Cat. No.** : PC-43270  
**CAS No.** : 1639042-08-2  
**Molecular Formula** : C<sub>25</sub>H<sub>25</sub>F<sub>3</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 442.4734  
**Target** : Estrogen Receptor/ERR  
**Solubility** : DMSO: ≥ 104.5 mg/mL



## Biological Activity

AZD9496 is a potent, selective estrogen receptor downregulator (**SERD**) with ER downregulation pIC<sub>50</sub> of 9.68. AZD9496 shows pM equipotent binding to both ER $\alpha$  and ER $\beta$  isoforms, highly selective binding compared with progesterone (~650-fold), glucocorticoid (~11,223-fold), and androgen (~36,375-fold) receptor LBDs. AZD9496 downregulator of ER $\alpha$  in vitro and in vivo in ER-positive models of breast cancer and is orally available.

## References

- De Savi C, et al. *J Med Chem.* 2015 Oct 22;58(20):8128-40.  
Weir HM, et al. *Cancer Res.* 2016 Jun 1;76(11):3307-18.  
Toy W, et al. *Cancer Discov.* 2017 Mar;7(3):277-287.

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

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