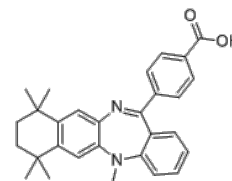


**Product Name** : LE135  
**Cat. No.** : PC-20199  
**CAS No.** : 155877-83-1  
**Molecular Formula** : C<sub>29</sub>H<sub>30</sub>N<sub>2</sub>O<sub>2</sub>  
**Molecular Weight** : 438.57  
**Target** : RAR/RXR  
**Solubility** : 10 mM in DMSO



### Biological Activity

LE135 is a retinoic acid receptor (RAR) antagonist that displays moderate selectivity for **RAR $\beta$**  over RAR $\alpha$  (K<sub>i</sub> values=0.22 and 1.4  $\mu$ M, respectively), highly selective over RAR $\gamma$  and RXR $\alpha$ .

LE135 inhibited retinoic acid (RA)-induced transcriptional activation of RARbeta, but not RARalpha, RARGamma or retinoid X receptor alpha (RXRalpha), on a variety of RA response elements.

LE135 inhibited all-trans-RA-induced apoptosis in ZR-75-1 human breast cancer cells.

### References

Li Y, et al. *J Biol Chem*. 1999 May 28;274(22):15360-6.

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

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