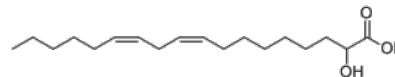


**Product Name** : ABTL0812  
**Cat. No.** : PC-61631  
**CAS No.** : 57818-44-7  
**Molecular Formula** : C<sub>18</sub>H<sub>32</sub>O<sub>3</sub>  
**Molecular Weight** : 296.451  
**Target** : PPAR  
**Solubility** : 10 mM in DMSO



## Biological Activity

ABTL0812 (2-hydroxylinoleic acid) is a novel first-in-class, small molecule that inhibits the Akt/mTORC1 axis and shows antiproliferative effect on tumor cells, binds to **PPAR $\alpha$**  and **PPAR $\gamma$**  (K<sub>i</sub>=7.1 and 4.7  $\mu$ M, respectively).

ABTL0812 induces PPAR $\alpha$  and PPAR $\gamma$  transcriptional activities, and inhibits Akt phosphorylation by upregulating the expression of TRIB3.

ABTL0812 reduces viability of different human cancer cell lines (IC<sub>50</sub>=20-60  $\mu$ M), induces autophagy-mediated cell death both in vitro and in vivo.

## References

Erazo T, et al. *Clin Cancer Res.* 2016 May 15;22(10):2508-19.

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

E-mail: tech@probechem.com