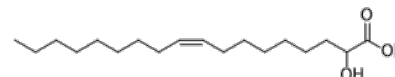


**Product Name** : Idroxiolic acid  
**Cat. No.** : PC-22903  
**CAS No.** : 56472-29-8  
**Molecular Formula** : C<sub>18</sub>H<sub>34</sub>O<sub>3</sub>  
**Molecular Weight** : 298.47  
**Target** : Autophagy  
**Solubility** : 10 mM in DMSO



## Biological Activity

Idroxiolic acid (2-OHOA) is a first-in-class brain-penetrating synthetic hydroxylated lipid, activates sphingomyelin synthase (SMS) expression and regulates membrane-lipid composition and mitochondrial energy production, inducing cancer cell autophagy.

## References

Juanita Lopez, et al. Br J Cancer. 2023 Sep;129(5):811-818.

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

E-mail: tech@probechem.com