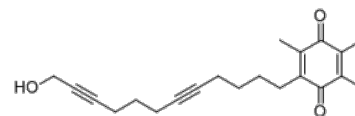


**Product Name** : Docebenone  
**Cat. No.** : PC-62455  
**CAS No.** : 80809-81-0  
**Molecular Formula** : C<sub>21</sub>H<sub>26</sub>O<sub>3</sub>  
**Molecular Weight** : 326.436  
**Target** : Lipoxygenase  
**Solubility** : 10 mM in DMSO



### Biological Activity

AA 861 (Docebenone) is a potent, selective **5-Lipoxygenase** (5-LO) inhibitor with IC<sub>50</sub> of 0.8 μM.

AA 861 (Docebenone) induces cytotoxic and anti-proliferative effects in 5-LO-positive Capan-2 pancreatic cancer cells.

AA 861 (Docebenone) also efficiently inhibits biofilms by preventing the formation of amyloid-like fibers.

### References

Romero D, et al. *Chem Biol.* 2013 Jan 24;20(1):102-10.

Yoshimoto T, et al. *Biochim Biophys Acta.* 1982 Nov 12;713(2):470-3.

Fischer AS, et al. *Br J Pharmacol.* 2010 Oct;161(4):936-49.

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

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