

Product Name : AA-861

Synonyms : Docebenone

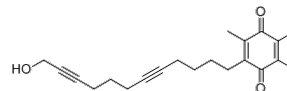
Cat No. : M16020

CAS Number : 80809-81-0

Molecular Formula : C₂₁H₂₆O₃

Formula Weight : 326.44

Chemical Name : 2-(12-hydroxydodeca-5,10-diynyl)-3,5,6-trimethyl-p-benzoquinone



Description : AA-861 (Docebenone) is a potent, selective 5-Lipoxygenase (5-LO) inhibitor with IC₅₀ of 0.8 μM; induces cytotoxic and anti-proliferative effects in 5-LO-positive Capan-2 pancreatic cancer cells; also efficiently inhibits biofilms by preventing the formation of amyloid-like fibers. Allergy Discontinued

Pathway : Immunology/Inflammation

Target : Lipoxygenase

Receptor : Lipoxygenase

Solubility : —

SMILES : O=C1C(CCCCC#CCCC#CCO)=C(C)C(C(C)=C1C)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Romero D, et al. Chem Biol. 2013 Jan 24;20(1):102-10. | 2. Yoshimoto T, et al. Biochim Biophys Acta. 1982 Nov 12;713(2):470-3. | 3. Fischer AS, et al. Br J Pharmacol. 2010 Oct;161(4):936-49.