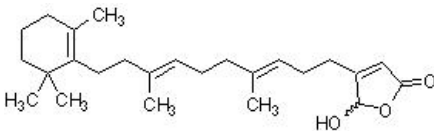


Product datasheet

Luffariellolide, phospholipase A2 (PLA2) inhibitor. Agonist at RARalpha ab141759

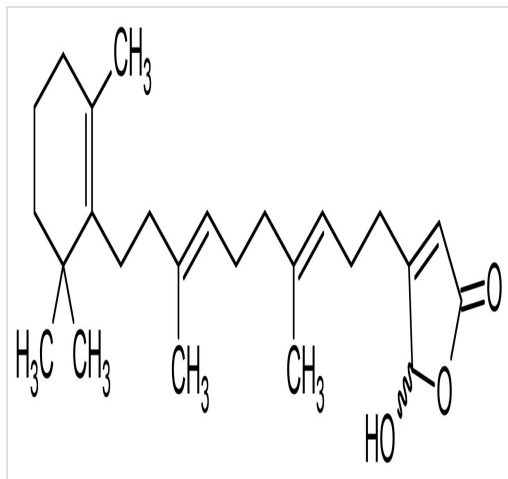
[1 Image](#)

Overview

Product name	Luffariellolide, phospholipase A2 (PLA2) inhibitor. Agonist at RARalpha
Description	Potent phospholipase A2 (PLA ₂) inhibitor. Agonist at RARα
Biological description	Potent, partially reversible phospholipase A2 (PLA ₂) inhibitor (IC ₅₀ = 5 μM). Also a novel RARα agonist (EC ₅₀ = 1 μM). Derivative of marine sponge <i>Luffariella</i> sp. Displays anti-inflammatory activity and active <i>in vivo</i> .
Purity	> 98%
CAS Number	111149-87-2
Chemical structure	

Properties

Chemical name	3-[(3 <i>E</i> ,7 <i>E</i>)-4,8-Dimethyl-10-(2,6,6-trimethylcyclohexen-1-yl)deca-3,7-dienyl]-2-hydroxy-2 <i>H</i> -furan-5-one
Molecular weight	386.57
Molecular formula	C ₂₅ H ₃₈ O ₃
PubChem identifier	5387248
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO and in ethanol
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILESCC1=C(C(CCC1)(C)C)CCC(=CCCC(=CCCC2=CC(=O)OC2O)C)C**Source***Luffariella sp.***Images**

2D chemical structure image of ab141759, Luffariellolide, phospholipase A2 (PLA2) inhibitor. Agonist at RARalpha

Chemical Structure - Luffariellolide, phospholipase A2 (PLA₂) inhibitor. Agonist at RARalpha (ab141759)

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