

# Arglabin

**Catalog No: tcsc3012**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

84692-91-1

**Formula:**

$C_{15}H_{18}O_3$

**Pathway:**

Immunology/Inflammation

**Target:**

NOD-like Receptor (NLR)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

(+)-Arglabin

**Observed Molecular Weight:**

246.3

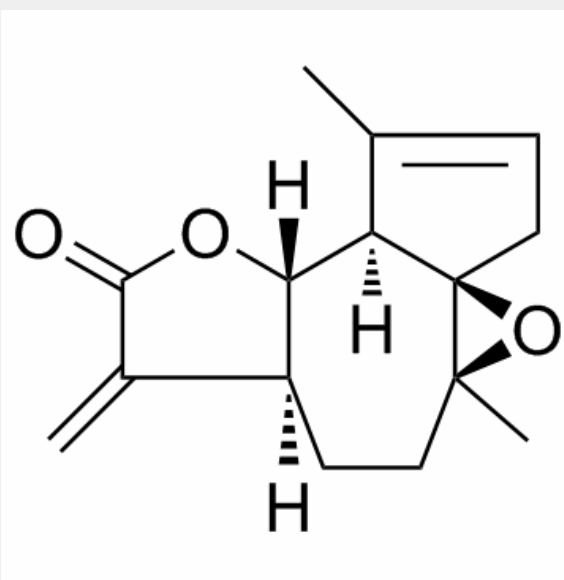
## Product Description

Arglabin is a sesquiterpene gamma-lactone is isolated from *Artemisia glabella*; anticancer natural compound.

IC50 value:

Target: anticancer

in vitro: Arglabin-stimulated macrophages displayed a strong cytotoxic activity and the lowest doses (1.25 micrograms/mL and 0.125 micrograms/mL) induced a significant stimulation of cell mitochondrial metabolism, which correlated with [<sup>3</sup>H]TdR uptake by J774.1 cells under the same experimental conditions. Arglabin triggered the production of the three cytokines from J774-1 cells. However, the pattern of cytokine secretion differed to some extent, according to the methodology used for cytokine measurement: either traditional bioassay or specific immunoassay (ELISA) [1]. Arglabin exhibits antiexudative and antiproliferative properties on the models of acute aseptic inflammation caused by formalin, carrageenan, and histamine, and on the model of proliferative inflammation accompanying cotton-pellet granuloma [2]. Arglabin is able to reduce the proportion of AML stem cells (CD34+CD38-) in primary AML cells [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!