
Product Data Sheet

Product Name: Lusianthridin

Cat. No.: GC61014

Chemical Properties

Cas. No. 87530-30-1

SMILES OC(C=C1CC2)=CC=C1C3=C2C=C(OC)C=C3OFormula $C_{15}H_{14}O_3$ M.Wt 242.27Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Lusianthridin, a pure compound from *Dendrobium venustum*, has an anti-migratory effect. Lusianthridin enhances c-Myc degradation through the inhibition of Src-STAT3 signaling[1].

Lusianthridin (0-100 μM) inhibits cell viability at concentrations greater than 50 μM in both H460 and H292 cells[1]. Lusianthridin significantly reduces the CSC populations in both H460 and H292 cells of the CSC spheres, with a significant decrease in the size of the H460 CSC spheres by approximately 10%, 63%, and 77% at day 3 at concentrations 5, 10, and 20 μM Lusianthridin, respectively[1]. Cell Viability Assay[1] Cell Line: The human non-small cell lung cancer cell lines, NCI-H460, and NCI-H292 cells[1]. 0-100 μM .

[1]. Narumol Bhummaphan, et al. Targeting of Lung Cancer Stem Cells via Src-STAT3 Suppression. *Phytomedicine*. 2019 Sep;62:152932.

Caution: Product has not been fully validated for medical applications. For research use only.

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