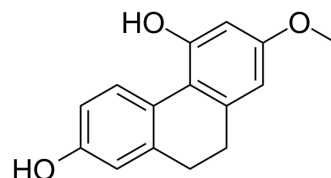


## Lusianthridin

Cat. No.:	HY-121418
CAS No.:	87530-30-1
Molecular Formula:	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>
Molecular Weight:	242.27
Target:	c-Myc
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Lusianthridin, a pure compound from <i>Dendrobium venustum</i> , have an anti-migratory effect. Lusianthridin enhances c-Myc degradation through the inhibition of Src-STAT3 signaling <sup>[1]</sup> .								
<b>In Vitro</b>	<p>Lusianthridin (0-100 μM) inhibits cell viability at concentrations greater than 50 μM in both H460 and H292 cells<sup>[1]</sup>. 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 concentration 5, 10, and 20 μM Lusianthridin, respectively<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>The human non-small cell lung cancer cell lines, NCI-H460, and NCI-H292 cells<sup>[1]</sup>.0-100 μM.</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM.</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h.</td> </tr> <tr> <td>Result:</td> <td>Caused a significant reduction in terms of cell viability at concentrations greater than 50 μM in both H460 and H292 cells.</td> </tr> </table>	Cell Line:	The human non-small cell lung cancer cell lines, NCI-H460, and NCI-H292 cells <sup>[1]</sup> .0-100 μM.	Concentration:	0-100 μM.	Incubation Time:	24 h.	Result:	Caused a significant reduction in terms of cell viability at concentrations greater than 50 μM in both H460 and H292 cells.
Cell Line:	The human non-small cell lung cancer cell lines, NCI-H460, and NCI-H292 cells <sup>[1]</sup> .0-100 μM.								
Concentration:	0-100 μM.								
Incubation Time:	24 h.								
Result:	Caused a significant reduction in terms of cell viability at concentrations greater than 50 μM in both H460 and H292 cells.								

### REFERENCES

[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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA