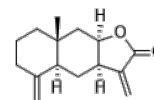


Product Name : Isoalantolactone
Cat. No. : PC-27107
CAS No. : 470-17-7
Molecular Formula : C₁₅H₂₀O₂
Molecular Weight : 232.32
Target : Apoptosis Inducer
Solubility : 10 mM in DMSO



Biological Activity

Isoalantolactone is a sesquiterpene lactone compound isolated from the roots of *Inula helenium* L., induces apoptosis in various cancer cell lines.

Isoalantolactone induces apoptosis in SGC-7901 cells via mitochondrial and phosphatidylinositol 3-kinase/Akt signaling pathways.

Isoalantolactone induces reactive oxygen species (ROS) mediated apoptosis in pancreatic carcinoma PANC-1 cells.

Isoalantolactone induces intrinsic apoptosis through p53 signaling pathway in human lung squamous carcinoma cells.

Isoalantolactone inhibits LPS-induced inflammation via NF-kappaB inactivation in peritoneal macrophages and improves survival in sepsis.

Isoalantolactone induces apoptosis through ROS-mediated ER stress and inhibition of STAT3 in prostate cancer cells.

References

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Lawrence NJ, et al. Bioorg Med Chem Lett. 2001 Feb 12;11(3):429-31.

Di W, et al. Oncol Rep. 2014 Oct;32(4):1585-93.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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