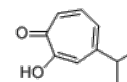


Product Name : Hinokitiol
Cat. No. : PC-62331
CAS No. : 499-44-5
Molecular Formula : C₁₀H₁₂O₂
Molecular Weight : 164.204
Target : Apoptosis Inducer
Solubility : 10 mM in DMSO



Biological Activity

Hinokitiol (4-Isopropyltropolone, β -Thujaplicin) is a tropolone-related natural compound that can induce apoptosis and cell cycle arrest, exhibits anti-inflammatory and anti-tumor activities, reduces **Nrf2** expression, and decreases DNMT1 and UHRF1 mRNA and protein expression.

Hinokitiol inhibits the proliferation of *Chlamydia trachomatis* with MIC of 32 μ g/mL.

Hinokitiol also can harness such gradients to restore iron transport into, within, and/or out of cells.

References

Yamano H, et al. *Antimicrob Agents Chemother*. 2005 Jun;49(6):2519-21.

Seo JS, et al. *BMC Cell Biol*. 2017 Feb 27;18(1):14.

Grillo AS, et al. *Science*. 2017 May 12;356(6338):608-616.

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

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