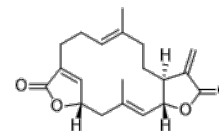


Product Name : Ovatodiolide
Cat. No. : PC-28346
CAS No. : 3484-37-5
Molecular Formula : C₂₀H₂₄O₄
Molecular Weight : 328.41
Target : ATM/ATR
Solubility : 10 mM in DMSO



Biological Activity

Ovatodiolide is a diterpenoid from a Chinese herb that possesses anticancer, anti-bacterial and anti-inflammatory properties, induces cell cycle G2/M arrest and apoptosis via a ROS-dependent **ATM/ATR** signaling in lung cancer cells. Ovatodiolide induces cell cycle arrest and apoptosis in human oral squamous cell carcinoma Ca9-22 cells. Ovatodiolide possesses bactericidal activity against *H. pylori* by reducing levels of ribosomal protein RpsB. Ovatodiolide induces cell cycle G2/M arrest and apoptosis via a ROS-dependent ATM/ATR signaling pathways in lung cancer A549 and H1299 cells. Ovatodiolide suppresses allergic airway inflammation and hyperresponsiveness in a murine model of asthma. Ovatodiolide inhibits **SARS-CoV-2** replication and ameliorates pulmonary fibrosis through suppression of the TGF-beta/TbetaRs signaling pathway.

References

- Arisawa M, et al. *Planta Med.* 1986 Aug;(4):297-9.
 Hou YY, et al. *Life Sci.* 2009 Jul 3;85(1-2):26-32.
 Lien HM, et al. *Sci Rep.* 2019 Mar 12;9(1):4205.
 Yu CY, et al. *Eur J Pharmacol.* 2018 Jan 15;819:16-29.

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

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