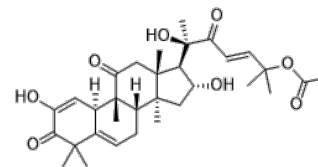


Product Name : Cucurbitacin E
Cat. No. : PC-27637
CAS No. : 18444-66-1
Molecular Formula : C₃₂H₄₄O₈
Molecular Weight : 556.70
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

Cucurbitacin E (α -elaterin) is a strong antifeedant natural compound with the ability to disrupt cell actin and cell adhesion, induces CRC G2/M phase arrest via cell division cycle gene 2 (CDC2) downregulation and dissociation of the cyclin B1/CDC2 complex.

Cucurbitacin E inhibits cell survival/proliferation of primary CRC cell lines.

Cucurbitacin E-induced cell cycle arrest in CRC cells occurs via a mechanism other than the accumulation of intracellular ROS.

Cucurbitacin E induces accumulation of G2/M phase in CRC cells.

Cucurbitacin E induces G2/M arrest in CRC cells via integration of GADD45 γ with CDC2.

Cucurbitacin E also induces PANoptosis in adrenocortical carcinoma cells in a ZBP1-dependent manner.

References

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Murtaza M, et al. PLoS One. 2017 Jun 9;12(6):e0178910.

Hung CM, et al. Sci Rep. 2014 Sep 23;4:6454.

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

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