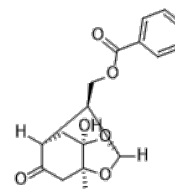


Product Name : Paeoniflorigenone
Cat. No. : PC-28420
CAS No. : 80454-42-8
Molecular Formula : C₁₇H₁₈O₆
Molecular Weight : 318.33
Target : Ferroptosis
Solubility : 10 mM in DMSO



Biological Activity

Paeoniflorigenone (PAG) is a monoterpene compound found in the root of moutan cortex, inhibits the proliferation of tumor cells, directly binds to TRIM28, triggering its phosphorylation at Ser824, induces ferroptosis.

Paeoniflorigenone alleviates repressive H3K9me3 occupancy at the HMOX1 promoter, thereby unlocking local chromatin accessibility to drive HMOX1 transcription and culminate in ferroptosis.

Paeoniflorigenone inhibits ovarian cancer metastasis through targeting the MUC1/Wnt/beta-catenin pathway.

Paeoniflorigenone inhibits the progression of cholangiocarcinoma via HIF1A and enhances the chemotherapy sensitivity of cisplatin.

References

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Ge T, et al. Discov Oncol. 2026 Jan 14;17(1):270.

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

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