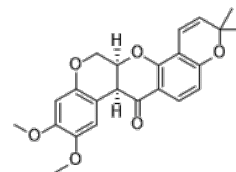


Product Name : Deguelin
Cat. No. : PC-24602
CAS No. : 522-17-8
Molecular Formula : C₂₃H₂₂O₆
Molecular Weight : 394.42
Target : PI3K
Solubility : 10 mM in DMSO



Biological Activity

Deguelin is a naturally occurring rotenoid, acts as a chemopreventive agent by blocking multiple pathways like PI3K-Akt, IKK-NF-κB, and MAPK-mTOR-survivin-mediated apoptosis, also is a potential inhibitor of FBXO22.

Deguelin enhanced radiosensitivity in an FBXO22/Rad51-dependent manner and was safely tolerated in vivo.

Deguelin binding to Hsp90 leads to a decreased expression of numerous oncogenic proteins, including MEK1/2, Akt, HIF1α, COX-2, and NF-κB.

Deguelin exerts antitumor and chemopreventive effects by targeting multiple oncogenic signaling pathways.

References

Mehta R, et al. PLoS One. 2013 Jun 10;8(6):e65113.

Yang YL, et al. PLoS One. 2013;8(1):e54736.

Yunshang Chen, et al. Cell Death Dis. 2024 Jan 31;15(1):104.

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

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