

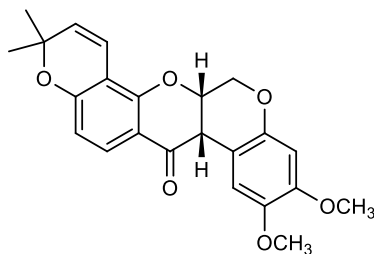


Catalog # 10-2276

Deguelin

CAS# 522-17-8

Lot # X102144



Inhibits Akt^{1,2}. Induces apoptosis in a variety of cells^{2,3}. Displays cancer chemopreventive activity⁴. Cell permeable. Active *in vivo*.

- 1) Chun *et al.* (2003), *Effects of deguelin on the phosphatidylinositol 3- kinase/Akt pathway and apoptosis in premalignant human bronchial epithelial cells*; J. Natl. Cancer Inst., **95** 291
- 2) Kang *et al.* (2012), *Deguelin, an AKT Inhibitor, Down-Regulates NFkB Signaling and Induces Apoptosis in Colon Cancer Cells and Inhibits Tumor Growth in Mice*; Dig. Dis. Sci., May 24 (Epub)
- 3) Lee *et al.* (2004), *Molecular mechanisms of deguelin-induced apoptosis in transformed human bronchial epithelial cells*; Biochem. Pharmacol., **68** 1119
- 4) Ito *et al.* (2004), *Cancer chemopreventive activity of rotenoids from *Derris trifoliata**; Planta Med., **70** 8

PHYSICAL DATA

Molecular Weight: 394.43
Molecular Formula: C₂₃H₂₂O₆
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description: Light yellow solid
Storage and Stability: Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months

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