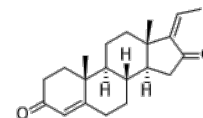


Product Name : Guggulsterone
Cat. No. : PC-27267
CAS No. : 95975-55-6
Molecular Formula : C₂₁H₂₈O₂
Molecular Weight : 312.45
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

Guggulsterone is a plant sterol derived from the gum resin of the tree *Commiphora wightii*, inhibits the growth of a wide variety of tumor cells and induces apoptosis through down regulation of antiapoptotic gene products (IAP1, xIAP, Bfl-1/A1, Bcl-2, cFLIP and survivin), inhibits the proliferation of HL60 and U937 cells with IC₅₀ of 3.6-10.9 uM, also is a farnesoid X receptor (FXR) antagonist.

References

Tripathi YB, et al. *Planta Med.* 1984 Feb;50(1):78-80.

Mester L, et al. *Planta Med.* 1979 Dec;37(4):367-9.

Samudio I, et al. *Mol Cancer Ther.* 2005 Dec;4(12):1982-92.

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

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