



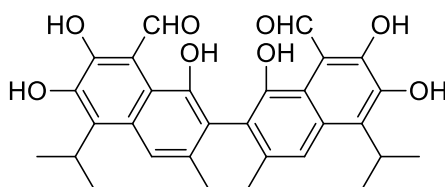
Catalog # 10-1165

AT-101

CAS# 90141-22-3

(R)(-)-Gossypol

Lot # B101447



A small molecule mimic of the BH3 domain of cellular Bcl-2 inhibitors which interferes with the function of Bcl-2 family antiapoptotic proteins. Induces apoptosis in drug-resistant multiple myeloma cell lines. Apoptosis is activated by the mitochondrial pathway. Cell permeable.

- 1) Kline *et al.* (2008), *R(-)-gossypol (AT-101) activates programmed cell death in multiple myeloma cells.*; Exp. Hematol., **36** 568
- 2) Balakrishnan *et al.* (2009), *AT-101 induces apoptosis in CLL B cells and overcomes stromal cell-mediated Mcl-1 induction and drug resistance.*; Blood, **113** 149

PHYSICAL DATA

Molecular Weight:	518.57
Molecular Formula:	C ₃₀ H ₃₀ O ₈
Purity:	98% by TLC: [Hexane / Ethyl acetate, 70:30; R _f = 0.4) NMR: Conforms
Solubility:	DMSO (up to 50 mg/ml), Ethanol (up to 50 mg/ml)
Physical Description:	Light brown solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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