

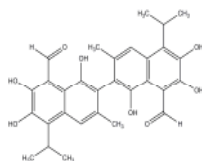
PRODUCT: AT-101

ALTERNATE NAME: (-)-1,1',6,6',7,7'-Hexahydroxy-3,3'-dimethyl-5,5'-bis(1-methylethyl)-[2,2'-binaphthalene]-8,8'-dicarboxaldehyde; (R)-Gossypol

CATALOG #: 2380-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₃₀O₈

MOLECULAR WEIGHT: 518.56

CAS NUMBER: 90141-22-3

APPEARANCE: Light brown solid

SOLUBILITY: DMSO (~50 mg/ml) or EtOH (~50 mg/ml)

PURITY: ≥98% by TLC

STORAGE: At -20° C. Protect from light and air

DESCRIPTION: AT-101 is the R(-) enantiomer of Gossypol that acts as an inhibitor of the antiapoptotic Bcl proteins (Bcl-2, Bcl-XL, Bcl-W, and Mcl-1) and an inducer of the pro-apoptotic proteins noxa and puma. It induces apoptosis in drug-resistant multiple myeloma cell lines. Apoptosis is activated by the mitochondrial pathway.

REFERENCE: Baggstrom, M.Q., *et al.* (2011). *J. Thorac. Oncol.* **6**, 1757-1760; Kline, M.P., *et al.* (2008). *Exp. Hematol.* **36**, 568-576.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Bcl-2 Inhibitor, ABT-199 (**Cat. No. 2253-1, 5**)

Bcl-2 Inhibitor, GX15-070 (**Cat. No. 2040-5**)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**