PRODUCT: AT-101

ALTERNATE NAME: (-)-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: C_{30}H_{30}O_{8}

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.


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