Product overview

Name: Gossypol
Cat No: HB0304
Short description: Dehydrogenase enzyme inhibitor
Biological description: Dehydrogenase enzyme inhibitor. Bcl-2 homology 3 (BH3)-mimetic agent, binds to the BH3 domain of members of the B-cell lymphoma 2 (Bcl-2) family. Inhibits APE-1 (apurinic/apyrimidinic endonuclease 1) activity. Shows antioxidant, antiviral, antiparasitic, apoptotic and anticancer actions.
Biological action: Inhibitor
Purity: >90%

Properties

Chemical name: Pogosin; AT101
Molecular Weight: 518.56
Molecular Formula: C_{30}H_{30}O_{8}
CAS Number: 303-45-7
PubChem identifier: 3503
SMILES: CC1=C(C(=C2C(=C1)C(=C(C(=C2C=O)O)O)C(C)C)O)C3=C(C=C4C(=C3O)C(=C(C(=C4C(C)C)O)O)C=O)C
InChiKey: QBKSWRVVCFFDOT-UHFFFAOYSA-N

Storing and Using Your Product

Solubility overview: Soluble in ethanol (25mg/ml) or DMF (25mg/ml)
Important: This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

References for Gossypol

Identification of a novel potential antitumor activity of gossypol as an APE1/Ref-1 inhibitor.
PubMedID: 24872679
Gossypol: a contraceptive for men.
PubMedID: 12020773

Gossypol: prototype of inhibitors targeted to dinucleotide folds.
PubMedID: 10702620

Therapeutic potential of gossypol: an overview.
PubMedID: 24073600