



Gossypol

Kinase Inhibitor

E1K S2303

Kinase Inhibitor Name: Gossypol

Catalog Number: E1KS2303

Quantity: 100mg

1. PHYSICAL AND CHEMICAL PROPERTIES

M.Wt: 518.56

Formula: C₃₀H₃₀O₈

Solubility: DMSO ≥104mg/mL Water <1mg/mL Ethanol ≥17mg/mL

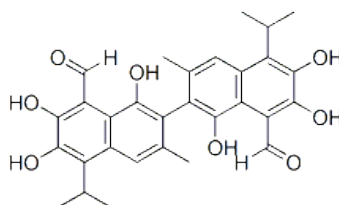
Purity: >99%

Storage: at -20°C 2 years

CAS No.: 303-45-7

M.Wt: 518.56

Molecular Structure:



2. Biological Activity

Gossypol is a polyphenolic aldehyde that permeates cells and acts as an inhibitor for several dehydrogenase enzymes. It has proapoptotic properties, probably due to the regulation of the Bax and Bcl2. It also reversibly inhibits calcineurin and binds to calmodulin. It inhibits replication of the HIV-1 virus. It is an effective protein kinase D inhibitor. It also causes low potassium levels, and thus causes temporary paralysis. [1]

3. References:

The pharmacological and toxicological properties of this product have not been fully investigated. Exercise caution in use and handling. This product must not be used in humans.

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