**Product Information**

**Product ID** T286165  
**CAS No.** 30462-34-1

**Chemical Name**

**Synonym**

**Formula** C_{36}H_{28}O_{16}  
**Formula Wt.** 716.60  
**Melting Point**  
**Purity** ≥95%  
**Solubility**

**Store Temp.** 4°C  
**Ship Temp.**

**Description** Theaflavin-3-gallate is a polyphenolic compound found in black tea. The theaflavins are formed during the enzymatic oxidation of catechins, which happens during processing of the fresh tea leaves. Theaflavin-3-gallate has been shown to have inhibitory effects on ovarian cancer cells OVCAR-3 and A2780/CP70 by inducing apoptosis and impairing tumor angiogenesis. In addition, theaflavin-3-gallate was found to give stronger reactive oxygen species scavenging activity than theaflavin by a chemiluminescence assay. Exposure of CAL27 and HSC-2 carcinoma cells to theaflavin-3-gallate demonstrated cytotoxic and antiproliferative properties of the compound.

**Pricing and Availability**

**Bulk quantities available upon request**

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<th>Product ID</th>
<th>Size</th>
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**References**


**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.