



LKT Laboratories, Inc.

Epigallocatechin Gallate Octaacetate

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Product Information

Product ID E6236

CAS No. 148707-39-5

Chemical Name

Synonym Peracetylated Epigallocatechin gallate, Octaacetyl Epigallocatechin gallate, AcEGCG

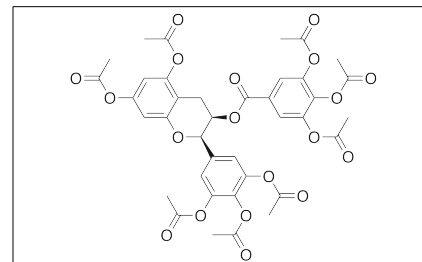
Formula C₃₈H₃₄O₁₉

Formula Wt. 794.67

Melting Point

Purity ≥98%

Solubility Soluble in DMSO and methanol



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E6236	10 mg	\$64.70
E6236	25 mg	\$102.10
E6236	100 mg	\$305.60

Store Temp 4°C

Ship Temp Ambient

Description Peracetylated epigallocatechin-3-gallate (AcEGCG) is a close relative of epigallocatechin-3-gallate, a catechin found in green tea (*Camellia sinensis*). AcEGCG has a higher bioavailability than its parent compound and exhibits anti-inflammatory and anticancer chemotherapeutic activity in vitro and in vivo. AcEGCG activates ERK 1/2 signaling, inhibits acetylation of histone H3K9, and downregulates PI3K/Akt/NF-κB signaling to inhibit tumor growth in a variety of cancer-focused animal models.

References Chiou YS, Sang S, Cheng KH, et al. Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently prevents skin carcinogenesis by suppressing the PKD1-dependent signaling pathway in CD34+ skin stem cells and skin tumors. *Carcinogenesis*. 2013 Jun;34(6):1315-22. PMID: 23385063.

Chiou YS, Ma NJ, Sang S, et al. Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently suppresses dextran sulfate sodium-induced colitis and colon tumorigenesis in mice. *J Agric Food Chem*. 2012 Apr 4;60(13):3441-51. PMID: 22409325.

Lambert JD, Sang S, Hong J, et al. Peracetylation as a means of enhancing in vitro bioactivity and bioavailability of epigallocatechin-3-gallate. *Drug Metab Dispos*. 2006 Dec;34(12):2111-6. PMID: 16997910.

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