

For Research Use Only

(-)-Epigallocatechin-3-(3''-O-methyl)gallate



Catalog Number: CM08438

产品信息

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CM08438

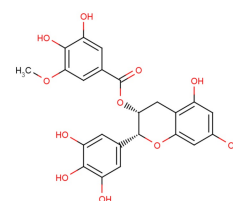
分子量:
472.4

CAS号:
83104-87-4

分子式:
C₂₃H₂₀O₁₁

主要靶点:
Antibacterial|Antioxidant

主要通路:
微生物学|氧化还原



靶点活性

COX-2: 0.17±0.03 μM

体外活性

(-)-Epigallocatechin-3-(3''-O-methyl)gallate (3'' Me-EGCG) (0–12.5 μM; 30 min; 37 °C) showed scavenging effects in HaCaT cell and cell-free systems.[2] 3'' Me-EGCG (6.25、12.5 μM) recovered cell viability and increased the expression of heme oxygenase 1 (HO-1) under H₂O₂ exposure.[2] 3'' Me-EGCG (6.25、12.5 μM) protected keratinocytes and regulated the survival protein AKT1 under ultraviolet B (UVB) and sodium nitroprusside (SNP) exposure.[2]

描述

(-)-Epigallocatechin-3-(3''-O-methyl)gallate is a natural product isolated from tea leaves with strong antioxidant, cytotoxic and antibacterial activity, which enhances the adhesive stability of etching rinsing adhesives to dentin.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years

For technical support and original validation data for this product please contact

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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