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Product Information

Product ID G3253 CAS No. 23513-08-8

Chemical Name

Synonym

Formula C₁₉H₃₀O₄ Formula Wt. 322.44 **Melting Point**

Purity ≥99%

Solubility 1mg/ml in methanol

Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
G3253	1 mg	\$110.00
G3253	5 mg	\$203.70
G3253	25 mg	\$681.20

Store Temp -20°C Ship Temp Ambient

Description 8-Gingerol is originally found in species of *Zingiber*; it exhibits antiemetic, anti-diabetic, anticancer, immunosuppressive, antioxidative, anti-inflammatory, cardiomodulatory, and anti-asthma activities. 8-Gingerol inhibits 5-HT3 receptors and also attenuates airway hyperresponsiveness in animal models. 8-Gingerol also increases glucose uptake and upregulates expression of GLUT4 in vitro. This compound inhibits ConA-, LPS-, and OVA-stimulated spleenocyte proliferation and decreases levels of CD19+ B cells, CD3+ T cells, and IgG in vivo. Additionally, 8-gingerol increases radical scavenging of superoxide and hydroxyl radicals, inhibits oxidative burst activity, and decreases expression of NO and PGE2 in vitro. In animal models, 8-gingerol displays positive inotropic activity, increasing longitudinal contractions, decreasing peak tension and relaxation times, and increasing sarcoplasmic Ca2+ uptake. This compound also inhibits proliferation of breast adenocarcinoma cells.

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