

Product Information

Product ID S2957

CAS No. 555-66-8

Chemical Name

Synonym 6-Shogaol

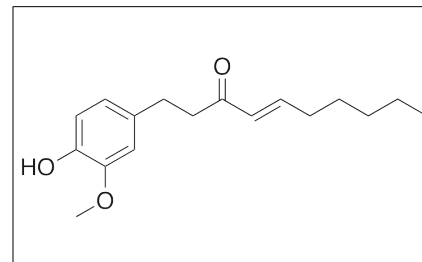
Formula C₁₇H₂₄O₃

Formula Wt. 276.37

Melting Point

Purity $\geq 98\%$

Solubility 20mg/ml in ethanol, DMSO and DMF, sparingly soluble in aqueous buffers



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
S2957	5 mg	\$315.00
S2957	10 mg	\$441.00

Store Temp -20°C

Ship Temp Ambient

Description Shogaol is a originally found in species of *Zingiber*; it exhibits antiemetic, anticancer chemotherapeutic, anti-metastatic, chemopreventive, anti-ulcerative, anti-inflammatory, anticoagulant, and antinociceptive activities. Shogaol inhibits activation of STAT3, JAK2, and c-Src, decreases expression of Bcl-xl, Bcl-2, and survivin, and increases caspase-dependent apoptosis in breast cancer and prostate cancer cells; it also inhibits tumor growth. Shogaol also inhibits invasion and metastasis in hepatocellular carcinoma cells by decreasing expression of matrix metalloproteinases 2 and 9 (MMP2/9). Additionally, this compound also prevents TPA-induced tumor formation. In other animal models, shogaol decreases expression of iNOS, IL-1B, and TNF- α , preventing ulcer formation. Shogaol also inhibits 5-HT3 receptors, activates PPAR γ , and decreases capsaicin-induced release of substance P.

References Kim SM, Kim C, Bae H, et al. 6-Shogaol exerts anti-proliferative and pro-apoptotic effects through the modulation of STAT3 and MAPKs signaling pathways. *Mol Carcinog*. 2014 Jun 24. [Epub ahead of print]. PMID: 24962868.

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