LKT Laboratories, Inc.

Diallyl Sulfide

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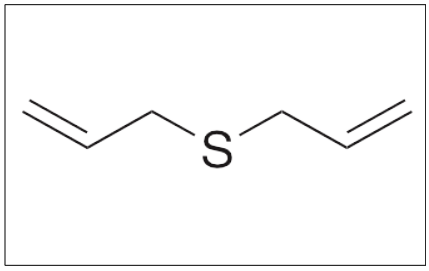
Product Information

Product ID D3201
CAS No. 592-88-1
Chemical Name Di-2-propenyl sulfide

Synonym 2-Propenyl sulphide, 3,3-Thiobis(1-propene), Diallyl monosulfide, Diallyl thioether, Allyl monosulfide, Allyl sulfide

Formula $C_6H_{10}S$
Formula Wt. 114.21
Melting Point -83°C
Purity ≥97%
Solubility Insoluble in water.



Pricing and Availability

Bulk quanitites available upon request

Product ID	Size	List Price
D3201	25 ml	$66.20
D3201	100 ml	$220.50

Store Temp Ambient
Ship Temp Ambient

Description Diallyl sulfide is an organosulfur initially found in garlic; it exhibits anticancer chemotherapeutic, chemopreventive, neuroprotective, anti-inflammatory, antioxidative, anti-angiogenic, and anti-metastatic activities. Diallyl sulfide decreases DES-induced DNA damage and carcinogenesis in vitro and in vivo; it also inhibits the development of colon polyps in other carcinogenesis models. In animal models of cerebral ischemia/reperfusion, diallyl sulfide decreases infarct volume, apoptosis, and caspase 3 activation and increases levels of Bcl-2. In vitro, this compound decreases TNF-α-induced activation of NF-κB and suppresses histamine-induced levels of ROS, IL-1β, and TNF-α. Like other organosulfurs, diallyl sulfide induces phase II enzymes, increasing glutathione-S-transferase, glutathione reductase, superoxide dismutase, catalase, glutathione peroxidase, and Nrf2 in vivo. In animal models of osteosarcoma, diallyl sulfide decreases VEGF levels, microvessel density, cellular invasion, and tumor growth. TEST!!!!!!

References

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Hu Y, Chen L, Yi C, et al. Experimental study on inhibitory effects of diallyl sulfide on growth and invasion of human osteosarcoma MG-63 cells. J Huazhong Univ Sci Technolog Med Sci. 2012 Aug;32(4):581-5. PMID: 22886974.

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