

Product Information

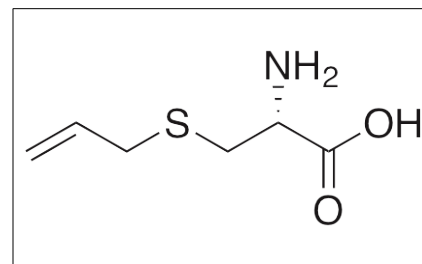
Product ID D1757
CAS No. 21593-77-1
Chemical Name S-Allyl-L-cysteine

Synonym L-Cysteine, S-2-propenyl-, S-Allylcysteine

Formula $C_6H_{11}NO_2S$
Formula Wt. 161.22
Melting Point 224-225°C
Purity $\geq 98\%$
Solubility Soluble in water.

Store Temp 4°C
Ship Temp Ambient

Description L-Deoxyalliin is an organosulfur initially found in garlic that exhibits antibiotic activity. L-Deoxyalliin displays antibacterial efficacy against *Staphylococcus*, *Escherichia*, and *Pseudomonas* when complexed with Pd(III). Like other organosulfurs, L-deoxyalliin may exhibit antioxidative, phase II enzyme-inducing, or chemopreventive activities.



Bulk quantities available upon request

Product ID	Size
D1757	100 mg
D1757	250 mg
D1757	1 g
D1757	5 g

References Spera MB, Quintão FA, Ferraresi DK, et al. Palladium(II) complex with S-allyl-L-cysteine: new solid-state NMR spectroscopic measurements, molecular modeling and antibacterial assays. *Spectrochim Acta A Mol Biomol Spectrosc.* 2011 Jan;78(1):313-8. PMID: 21050807.

Arnault I, Christidès JP, Mandon N, et al. High-performance ion-pair chromatography method for simultaneous analysis of alliin, deoxyalliin, allicin and dipeptide precursors in garlic products using multiple mass spectrometry and UV detection. *J Chromatogr A.* 2003 Mar 28;991(1):69-75. PMID: 12703902.

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