



LKT Laboratories, Inc.

L-Phenylalaninol

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Product Information

Product ID P2919

CAS No. 3182-95-4

Chemical Name (S)-2-Amino-3-phenyl-1-propanol

Synonym S-Phenylalaninol, β -amino-(S)-(9CI)Benzenepropanol

Formula $C_9H_{13}NO$

Formula Wt. 151.21

Melting Point 90-93°C

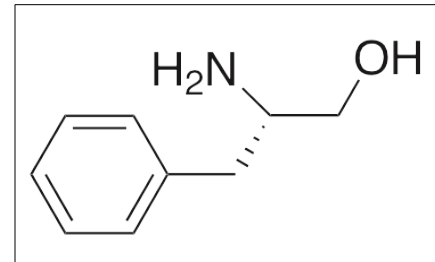
Purity $\geq 98\%$

Solubility Soluble in water and methanol.

Store Temp Ambient

Ship Temp Ambient

Description L-Phenylalaninol is a non-essential amino acid that exhibits anticancer and antacid activities. In melanoma cells, L-phenylalaninol increases activity of cytochrome c reductase and tau-glutamyl transpeptidase, inhibiting cell proliferation. L-Phenylalaninol also inhibits intestinal absorption of phenylalanine and may decrease gastric acid secretion and ulcer formation.



Bulk quantities available upon request

Product ID	Size
P2919	1 g
P2919	5 g
P2919	25 g

References Landau O, Wasserman L, Deutsch AA, et al. Amino acid alcohols: growth inhibition and induction of differentiated features in melanoma cells. *Cancer Lett.* 1993 May 14;69(3):203-8. PMID: 8099846.

Hashizume H, Miyamae T, Morikawa T, et al. [Effects of phenylalaninol on centrally induced gastric acid secretion](#). *Chem Pharm Bull (Tokyo)*. 1992 Nov;40(11):3113-4. PMID: 1477931.

Shimomura K, Fukushima T, Danno T, et al. Inhibition of intestinal absorption of phenylalanine by phenylalaninol. *J Biochem.* 1975 Aug;78(2):269-75. PMID: 1228171.

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