



LKT Laboratories, Inc.

Phenethyl Glucosinolate Potassium

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Product Information

Product ID P2502

CAS No. 18425-76-8

Chemical Name Glucopyranose, 1-thio-, 1-hydrocinnamohydroximate NO-
(hydrogen sulfate), beta-D-

Synonym Gluconasturtiin

Formula C₁₅H₂₀NO₉S₂K

Formula Wt. 461.55

Melting Point 129-133 °C

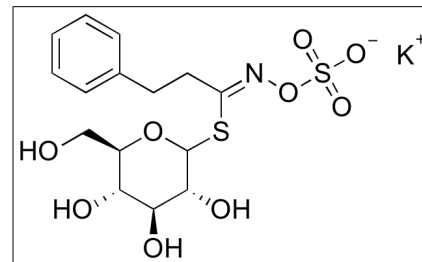
Purity ≥97%

Solubility Soluble in water.

Store Temp -20 °C

Ship Temp Ambient

Description Phenethyl glucosinolate is found in cruciferous vegetables; it is the parent compound of phenethyl isothiocyanate (PEITC). This compound exhibits antioxidative, anticancer chemotherapeutic, and chemopreventive activities. In vitro, phenethyl glucosinolate scavenges radicals and protects LDL from oxidation. Like its parent compound, this compound may induce phase II enzymes.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
P2502	5 mg	\$260.10
P2502	10 mg	\$469.60
P2502	25 mg	\$939.10
P2502	100 mg	\$2788.00

References Gupta P, Wright SE, Kim SH, et al. Phenethyl isothiocyanate: A comprehensive review of anti-cancer mechanisms. *Biochim Biophys Acta*. 2014 Aug 23;1846(2):405-424. PMID: 25152445.

Natella F, Maldini M, Leoni G, et al. Glucosinolates redox activities: can they act as antioxidants? *Food Chem*. 2014 Apr 15;149:226-32. PMID: 24295700.

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