



LKT Laboratories, Inc.

Alyssin Sulfone

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Product Information

Product ID A4497

CAS No.

Chemical Name 1-Isothiocyanato-5-(methylsulfonyl) pentane

Synonym 5-(Methylsulfonyl)-pentyl isothiocyanate, 1-Isothiocyanato-5-(methylsulfonyl) pentane

Formula C₇H₁₃NO₂S₂

Formula Wt. 207.31

Melting Point

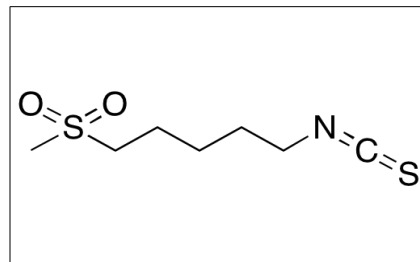
Purity ≥97%

Solubility Soluble in DMSO, ethanol, chloroform.

Store Temp -20°C

Ship Temp Ambient

Description Alyssin sulfone is a sulfone analog of sulforaphane, an isothiocyanate (ITC). Alyssin sulfone exhibits antioxidative and anticancer activity. This compound inhibits the growth of colon cancer cells in vitro and induces phase II enzymes, increasing Nrf2 activity.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
A4497	25 mg	\$211.90
A4497	50 mg	\$354.90
A4497	100 mg	\$622.50
A4497	500 mg	\$2146.40

References Lubelska K, Misiewicz-Krzemińska I, Milczarek M, et al. Isothiocyanate-drug interactions in the human adenocarcinoma cell line Caco-2. Mol Cell Biochem. 2012 Aug;367(1-2):19-29. PMID: 22527941.

Kim MJ, Kim SH, Lim SJ. Comparison of the apoptosis-inducing capability of sulforaphane analogues in human colon cancer cells. Anticancer Res. 2010 Sep;30(9):3611-9. PMID: 20944144.

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