

Product Information

Product ID A4497

CAS No.

Chemical Name

Synonym 5-(Methylsulfonyl)-pentyl isothiocyanate

Formula C₇H₁₃NO₂S₂

Formula Wt. 207.31

Melting Point

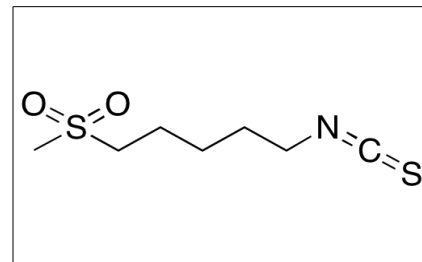
Purity ≥97%

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.



Bulk quantities available upon request

Product ID	Size
A4497	25 mg
A4497	50 mg
A4497	100 mg
A4497	500 mg

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.