



Product Information

Product ID B1668

CAS No. 4430-42-6

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

Synonym 5-Methylthiopentyl isothiocyanate

Formula C₇H₁₃NS₂

Formula Wt. 175.43

Melting Point 155-156°C

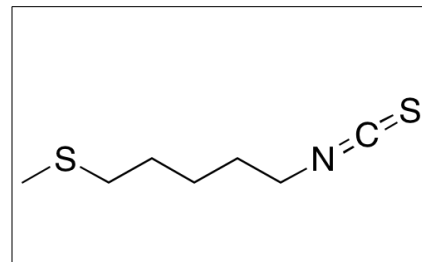
Purity ≥97%

Solubility Soluble in DMSO, ethanol, chloroform.

Store Temp -20°C

Ship Temp Ambient

Description Berteroin is a Crucifer homolog that may exhibit antioxidative and anti-androgenic activities. Berteroin is an isothiocyanate (ITC) compound that decreases androgen receptor levels in prostate cancer cells. Berteroin also displays anti-inflammatory properties, decreasing LPS-induced release of pro-inflammatory cytokines in macrophages.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B1668	25 mg	\$127.40
B1668	50 mg	\$220.00
B1668	100 mg	\$382.00
B1668	500 mg	\$1273.40

References Jung YJ, Jung JI, Cho HJ, et al. Berteroin present in cruciferous vegetables exerts potent anti-inflammatory properties in murine macrophages and mouse skin. *Int J Mol Sci.* 2014 Nov 11;15(11):20686-705. PMID: 25393510.

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.

Kim SH, Singh SV. D,L-Sulforaphane causes transcriptional repression of androgen receptor in human prostate cancer cells. *Mol Cancer Ther.* 2009 Jul;8(7):1946-54. PMID: 19584240.

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