



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

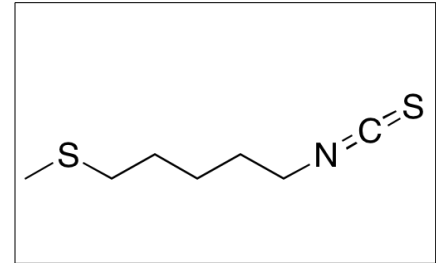
Purity ≥97%

Solubility Soluble in DMSO, ethanol, chloroform.

Store Temp -20 °C

Ship Temp Ambient

Description Berteroin is a Cruciferin 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.



Bulk quantities available upon request

Product ID	Size
B1668	25 mg
B1668	50 mg
B1668	100 mg
B1668	500 mg

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.