

Product Information

Product ID I0418

CAS No. 505-79-3

Chemical Name 1-Isothiocyanato-3-(methylsulfenyl)-propane

Synonym 1-Isothiocyanato-3-(methylthio)propane, 3-Methyl- mercaptopropyl isothiocyanate, 3-Methylthiopropyl isothiocyanate

Formula C₅H₉NS₂

Formula Wt. 147.26

Melting Point

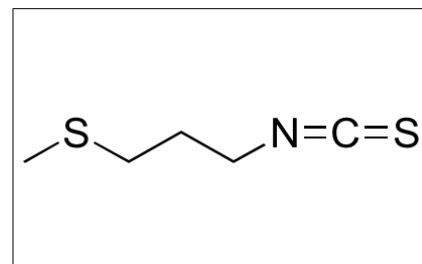
Purity ≥98%

Solubility Soluble in ethanol, most organic solvents.

Store Temp -20° C

Ship Temp Ambient

Description Iberverin is a sulforaphane homolog found in cruciferous vegetables. This isothiocyanate (ITC) exhibits antioxidative activity. Iberverin induces phase II enzymes, increasing glutathione-S-transferase and quinone reductase expression in vivo. Additionally, iberverin increases expression of Nrf2, γ-glutamylcysteine synthetase, and heme oxygenase 1 (HO-1). Iberverin displays chemopreventive potential, decreasing expression of androgen receptors (ARs) in prostate cancer cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
I0418	25 mg	\$132.20
I0418	50 mg	\$228.60
I0418	100 mg	\$396.00
I0418	500 mg	\$1337.80

References Ernst IM, Palani K, Esatbeyoglu T, et al. Synthesis and Nrf2-inducing activity of the isothiocyanates iberverin, iberin and cheirolin. *Pharmacol Res.* 2013 Apr;70(1):155-62. PMID: 23403058.

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.

Munday R, Munday CM. Induction of phase II detoxification enzymes in rats by plant-derived isothiocyanates: comparison of allyl isothiocyanate with sulforaphane and related compounds. *J Agric Food Chem.* 2004 Apr 7;52(7):1867-71. PMID: 15053522.

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