



Product Information

Product ID C2816

CAS No. 505-34-0

Chemical Name 1-Isothiocyano-3-(methylsulfonyl)-propane

Synonym 3-(Methylsulfonyl)-propyl isothiocyanate

Formula C₅H₉NO₂S₂

Formula Wt. 179.26

Melting Point 47.5 °C

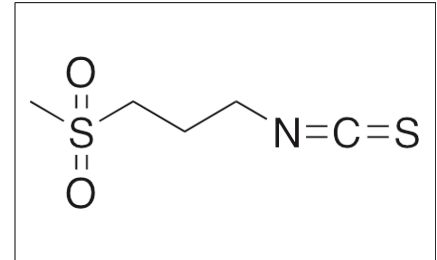
Purity ≥97%

Solubility Slightly soluble in water, ether; freely soluble in alcohol, chloroform, ethyl acetate.

Store Temp -20 °C

Ship Temp Ambient

Description Cheirolin is an isothiocyanate (ITC) that exhibits antioxidative activity. Cheirolin is a sulfonyl analog of iberin. Like others ITCs, cheirolin induces phase II enzymes. In vitro, cheirolin increases activation and expression of Nrf2 as well as expression of heme oxygenase 1 (HO-1) and γ-glutamylcysteine synthetase.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
C2816	25 mg	\$176.40
C2816	50 mg	\$295.30
C2816	100 mg	\$542.00
C2816	500 mg	\$1756.30

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

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