



## Product Information

**Product ID** C2816

**CAS No.** 505-34-0

**Chemical Name** 1-Isothiocyanato-3-(methylsulfonyl)-propane

**Synonym** 3-(Methylsulfonyl)-propyl isothiocyanate

**Formula** C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub>S<sub>2</sub>

**Formula Wt.** 179.26

**Melting Point** 47.5 °C

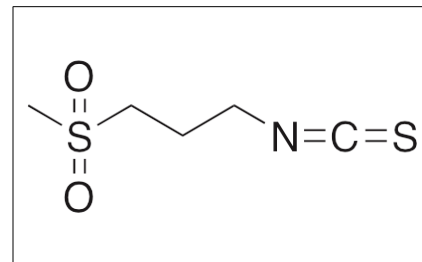
**Purity** ≥97%

**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	\$168.00
C2816	50 mg	\$281.20
C2816	100 mg	\$516.20
C2816	500 mg	\$1672.70

**References** Ernst IM, Palani K, Esatbeyoglu T, et al. Synthesis and Nrf2-inducing activity of the isothiocyanates iberiverin, 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.