



**LKT Laboratories, Inc.**

**S-(N-Methylsulfinylbutylthiocarbamoyl)-glutathione**

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## Product Information

**Product ID** M1875

**CAS No.** 289711-21-3

**Chemical Name** S-(N-Methylsulfinylbutylthiocarbamoyl)-glutathione

**Synonym** Sulforaphane glutathione conjugate, D,L-Sulforaphane Glutathione

**Formula** C<sub>16</sub>H<sub>28</sub>N<sub>4</sub>O<sub>7</sub>S<sub>3</sub>

**Formula Wt.** 484.61

**Melting Point**

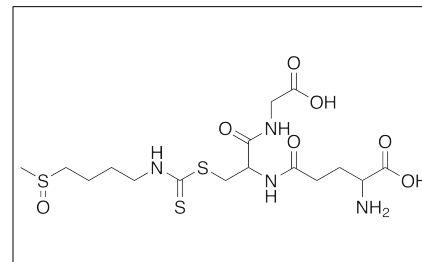
**Purity** ≥98%

**Solubility** Water

**Store Temp** -20°C

**Ship Temp** Ambient

**Description** S-(N-Methylsulfinylbutylthiocarbamoyl)-glutathione is a conjugate of sulforaphane and glutathione. In vivo, sulforaphane conjugates with glutathione during metabolism. In animal models of prostate cancer, this conjugate displays antioxidative and anticancer chemotherapeutic activities, increasing levels of heme oxygenase 1 (HO-1), Nrf2, activated caspase 3, cleaved PARP, and Bax, decreasing levels of Keap1, Bcl-xl, 4E-BP1, mTOR, and cyclin D1, and slowing tumor growth.



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
M1875	5 mg	\$456.60
M1875	10 mg	\$798.50
M1875	25 mg	\$1711.20

**References** Keum YS, Khor TO, Lin W, et al. Pharmacokinetics and pharmacodynamics of broccoli sprouts on the suppression of prostate cancer in transgenic adenocarcinoma of mouse prostate (TRAMP) mice: implication of induction of Nrf2, HO-1 and apoptosis and the suppression of Akt-dependent kinase pathway. *Pharm Res.* 2009 Oct;26(10):2324-31. PMID: 19669099.

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