



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

Formula $C_{16}H_{28}N_4O_7S_3$

Formula Wt. 484.61

Melting Point

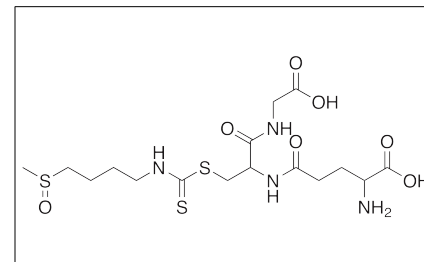
Purity $\geq 98\%$

Solubility Water

Store Temp $-20^{\circ}C$

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.



Bulk quantities available upon request

Product ID Size

M1875 5 mg

M1875 10 mg

M1875 25 mg

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.