



LKT Laboratories, Inc.

S-(N-Methylsulfinylbutylthiocarbamoyl)-L-cysteine

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Product Information

Product ID M1873

CAS No. 364083-21-6

Chemical Name S-(N-Methylsulfinylbutylthiocarbamoyl)-L-cysteine

Synonym L-cysteine sulforaphane; sulforaphane L-cysteine conjugate; sulforaphane-cysteine; SFN-Cys

Formula C₉H₁₈N₂O₃S₃

Formula Wt. 298.45

Melting Point

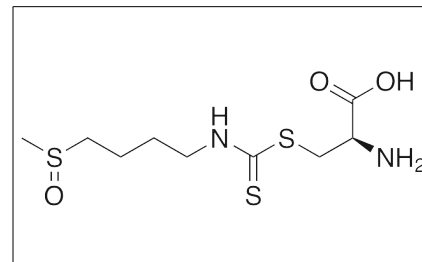
Purity ≥98%

Solubility Methanol, Water

Store Temp -20°C

Ship Temp Ambient

Description S-(N-Methylsulfinylbutylthiocarbamoyl)-L-cysteine is a conjugate of L-cysteine and sulforaphane. Like other isothiocyanates (ITCs), this compound likely displays antioxidative activity.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M1873	1 mg	\$185.20
M1873	5 mg	\$369.40
M1873	10 mg	\$659.30
M1873	25 mg	\$1468.30

References Zhou Y, Wang Y, Wu S, et al. Sulforaphane-cysteine inhibited migration and invasion via enhancing mitophagosome fusion to lysosome in human glioblastoma cells. *Cell Death Dis.* 2020 Oct 1;11(9):819. PMID: 33004792.

Li J, Zhou Y, Yan Y, et al. Sulforaphane-cysteine downregulates CDK4/CDK6 and inhibits tubulin polymerization contributing to cell cycle arrest and apoptosis in human glioblastoma cells. *Aging (Albany NY).* 2020 Aug 29;12(17):16837-16851. PMID: 32860670.

Sun J, Charron CS, Novotny JA, et al. Profiling glucosinolate metabolites in human urine and plasma after broccoli consumption using non-targeted and targeted metabolomic analyses. *Food Chem.* 2020 Mar 30;309:125660. PMID: 31670121.

Zheng Z, Lin K, Hu Y, et al. Sulforaphane metabolites inhibit migration and invasion via microtubule-mediated Claudins dysfunction or inhibition of autolysosome formation in human non-small cell lung cancer cells. *Cell Death Dis.* 2019 Mar 15;10(4):259. PMID: 30874545.

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