

Product Data Sheet

Product Name: D-Methionine sulfoxide

Cat. No.: GC38178

Chemical Properties

Cas. No. 21056-56-4

SMILES N[C@H](CCS(C)=O)C(O)=O

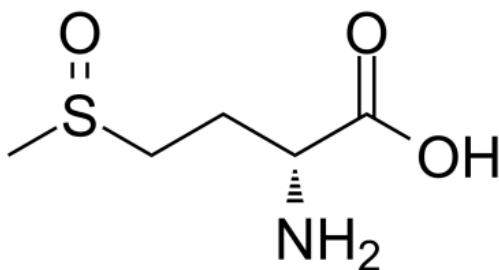
Formula $C_5H_{11}NO_3S$ M.Wt 165.21

Solubility Water : 125 mg/mL (756.61 mM; Need ultrasonic) Storage Store at -20°C, protect from light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

D-methionine sulfoxide is the D-isomer of Methionine sulfoxide. Methionine sulfoxide is an oxidation product of methionine. Methionine is the limiting amino acid in milk or leguminous proteins , which is easily oxidized during the course of storage or processing[1].

[1]. Kuzmicky DD, et al. Availability of oxidized sulfur amino acids for the growing chick. Poult Sci. 1977 Sep;56(5):1560-5.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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