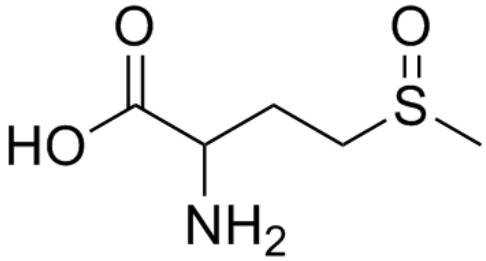
Product Data Sheet

Product Name: Methionine sulfoxide
Cat. No.: GC31540

Chemical Properties

Cas. No.	62697-73-8		
SMILES	O=S(CCC(C(O)=O)N)C		
Formula	$C_5H_{11}NO_3S$	M.Wt	165.21
Solubility	H_2O : 250 mg/mL (1513.23 mM; Need ultrasonic)	Storage	Store at -20°C
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

Methionine sulfoxide is an oxidation product of methionine with reactive oxygen species and can be regarded as a biomarker of oxidative stress in vivo.

[1]. Mashima R, et al. Simultaneous determination of methionine sulfoxide and methionine in blood plasma using gas chromatography-mass spectrometry. Anal Biochem. 2003 Feb 1;313(1):28-33.

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