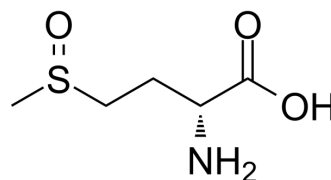


## D-Methionine sulfoxide

Cat. No.:	HY-129770
CAS No.:	21056-56-4
Molecular Formula:	C <sub>5</sub> H <sub>11</sub> NO <sub>3</sub> S
Molecular Weight:	165.21
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	H <sub>2</sub> O : 125 mg/mL (756.61 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	6.0529 mL	30.2645 mL	60.5290 mL
				5 mM	1.2106 mL	6.0529 mL	12.1058 mL
				10 mM	0.6053 mL	3.0265 mL	6.0529 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: PBS Solubility: 50 mg/mL (302.65 mM); Clear solution; Need ultrasonic						

### BIOLOGICAL ACTIVITY

Description	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 <sup>[1]</sup> .
In Vitro	Methionine is one of the most limiting amino acids in poultry rations <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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

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

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