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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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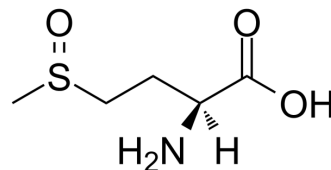
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L-Methionine sulfoxide

Cat. No.:	HY-W010104
CAS No.:	3226-65-1
Molecular Formula:	C ₅ H ₁₁ NO ₃ S
Molecular Weight:	165.21
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (605.29 mM; Need ultrasonic)																					
	DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>6.0529 mL</td> <td>30.2645 mL</td> <td>60.5290 mL</td> </tr> <tr> <td>5 mM</td> <td>1.2106 mL</td> <td>6.0529 mL</td> <td>12.1058 mL</td> </tr> <tr> <td>10 mM</td> <td>0.6053 mL</td> <td>3.0265 mL</td> <td>6.0529 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	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
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Please refer to the solubility information to select the appropriate solvent.																						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (605.29 mM); Clear solution; Need ultrasonic																					

BIOLOGICAL ACTIVITY

Description	L-Methionine sulfoxide (H-Met(O)-OH), a metabolite of Methionine, induces M1/classical macrophage polarization, and modulates oxidative stress and purinergic signaling parameters ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Dos Santos LM, et al. Methionine and methionine sulfoxide treatment induces M1/classical macrophage polarization and modulates oxidative stress and purinergic signaling parameters. Mol Cell Biochem. 2017 Jan;424(1-2):69-78.

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

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