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Produktinformation



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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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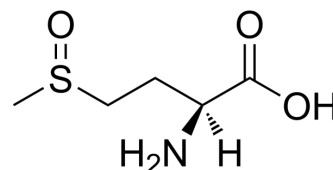
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L-Methionine sulfoxide

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)				
	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: 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] .
IC ₅₀ & 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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