



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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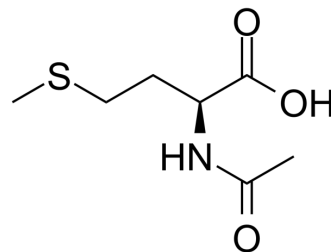
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N-Acetyl-L-methionine

Cat. No.:	HY-W012499		
CAS No.:	65-82-7		
Molecular Formula:	C ₇ H ₁₃ NO ₃ S		
Molecular Weight:	191.25		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (522.88 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.2288 mL	26.1438 mL	52.2876 mL
	5 mM	1.0458 mL	5.2288 mL	10.4575 mL
	10 mM	0.5229 mL	2.6144 mL	5.2288 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (13.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.07 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.07 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Acetyl-L-methionine, a human metabolite, is nutritionally and metabolically equivalent to L-methionine. L-methionine is an indispensable amino acid required for normal growth and development^[1].

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

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- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Ball RO, et al. The in vivo sparing of methionine by cysteine in sulfur amino acid requirements in animal models and adult humans. J Nutr. 2006 Jun;136(6 Suppl):1682S-1693S.

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

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