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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

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

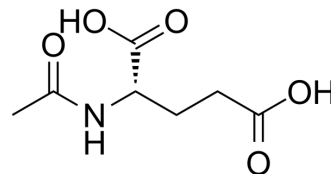
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

N-Acetyl-L-glutamic acid

Cat. No.:	HY-W015240		
CAS No.:	1188-37-0		
Molecular Formula:	C ₇ H ₁₁ NO ₅		
Molecular Weight:	189.17		
Target:	Endogenous Metabolite; 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 (528.63 mM; Need ultrasonic)
 H₂O : 25 mg/mL (132.16 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		5.2863 mL	26.4313 mL	52.8625 mL
	5 mM		1.0573 mL	5.2863 mL	10.5725 mL
	10 mM		0.5286 mL	2.6431 mL	5.2863 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 (13.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (13.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (13.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

N-Acetyl-L-glutamic acid, a N-acyl-L-amino acid, is a component of animal cell culturing media. N-Acetyl-L-glutamic acid is a metabolite of *Saccharomyces cerevisiae* and human^[1].

IC₅₀ & Target

Human Endogenous Metabolite

Microbial Metabolite

REFERENCES

[1]. M Hashimoto, et al. Animal cell culturing media containing N-acetyl-L-glutamic acid. Patent.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA