



# SZABO SCANDIC

Part of Europa Biosite

## 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

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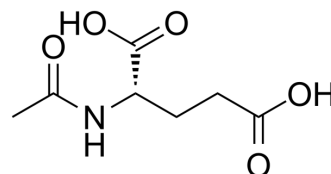
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## N-Acetyl-L-glutamic acid

<b>Cat. No.:</b>	HY-W015240		
<b>CAS No.:</b>	1188-37-0		
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>11</sub> NO <sub>5</sub>		
<b>Molecular Weight:</b>	189.17		
<b>Target:</b>	Endogenous Metabolite; Endogenous Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (528.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	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.					
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 2.5 mg/mL (13.22 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (13.22 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (13.22 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	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 <i>Saccharomyces cerevisiae</i> and human <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite	Microbial Metabolite

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## REFERENCES

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

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

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