



# 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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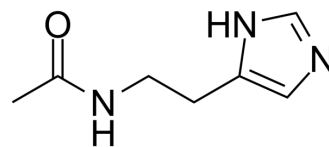
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## N-Acetylhistamine

<b>Cat. No.:</b>	HY-112175		
<b>CAS No.:</b>	673-49-4		
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>11</sub> N <sub>3</sub> O		
<b>Molecular Weight:</b>	153.18		
<b>Target:</b>	Histamine Receptor; Endogenous Metabolite		
<b>Pathway:</b>	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; 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

#### In Vitro

DMSO : ≥ 100 mg/mL (652.83 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.5283 mL	32.6413 mL	65.2827 mL
	5 mM	1.3057 mL	6.5283 mL	13.0565 mL
	10 mM	0.6528 mL	3.2641 mL	6.5283 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 (16.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
 Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
 Solubility: ≥ 2.5 mg/mL (16.32 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

N-Acetylhistamine is a histamine metabolite. N-acetylhistamine can be used as a potential biomarker of histidine metabolism for anaphylactoid reactions.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

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**In Vitro**

N-Acetylhistamine is an important indice for anaphylactoid reactions<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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**CUSTOMER VALIDATION**

- Microbiome. 2019 Mar 20;7(1):43.
- Laurea Magistrale in Biomedical Engineering, Politecnico di Milano. 2019 Jun.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

**REFERENCES**

[1]. Xu Y, et al. Metabolomics analysis of anaphylactoid reaction reveals its mechanism in a rat model. Asian Pac J Allergy Immunol. 2017 Dec;35(4):224-232.

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

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