



# 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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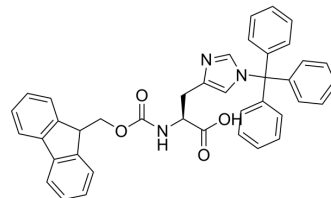
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## Fmoc-His(Trt)-OH

<b>Cat. No.:</b>	HY-W010712		
<b>CAS No.:</b>	109425-51-6		
<b>Molecular Formula:</b>	C <sub>40</sub> H <sub>33</sub> N <sub>3</sub> O <sub>4</sub>		
<b>Molecular Weight:</b>	619.71		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (161.37 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.6137 mL	8.0683 mL	16.1366 mL
5 mM	0.3227 mL	1.6137 mL	3.2273 mL
10 mM	0.1614 mL	0.8068 mL	1.6137 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Fmoc-His(Trt)-OH has trityl (Trt) group to protect the side-chain of His. Fmoc-His(Trt)-OH has Fmoc group to protect  $\alpha$ NH<sub>2</sub>. Fmoc-His(Trt)-OH can be used for solid phase synthesis of peptides, providing protection against racemization and by-product formation<sup>[1]</sup>.

### REFERENCES

[1]. Yi Y, et, al. Suppression of Simultaneous Fmoc-His(Trt)-OH Racemization and N $\alpha$ -DIC-Endcapping in Solid-Phase Peptide Synthesis through Design of Experiments and Its Implication for an Amino Acid Activation Strategy in Peptide Synthesis. Org. Process Res. Dev. 2022 Jun 27.

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

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