



# 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

Quellenstraße 110, A-1100 Wien

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

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

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## APT STAT3

<b>Cat. No.:</b>	HY-P10115	
<b>CAS No.:</b>	1345420-96-3	
<b>Molecular Formula:</b>	C <sub>158</sub> H <sub>205</sub> N <sub>39</sub> O <sub>36</sub>	
<b>Molecular Weight:</b>	3226.56	His-Gly-Phe-Gln-Trp-Pro-Gly-Ser-Trp-Thr-Trp-Glu-Asn-Gly-Lys-Trp-Thr-Trp-Lys-Gly-Ala-Tyr-Gln-Phe-Leu-Lys
<b>Sequence:</b>	His-Gly-Phe-Gln-Trp-Pro-Gly-Ser-Trp-Thr-Trp-Glu-Asn-Gly-Lys-Trp-Thr-Trp-Lys-Gly-Ala-Tyr-Gln-Phe-Leu-Lys	
<b>Sequence Shortening:</b>	HGFQWPGSWTWENGKWTWKGAYQFLK	
<b>Target:</b>	STAT	
<b>Pathway:</b>	JAK/STAT Signaling; Stem Cell/Wnt	
<b>Storage:</b>	Sealed storage, away from moisture	
	Powder    -80°C    2 years	
	-20°C    1 year	

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (15.50 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.3099 mL	1.5496 mL	3.0993 mL
	5 mM	0.0620 mL	0.3099 mL	0.6199 mL
	10 mM	0.0310 mL	0.1550 mL	0.3099 mL

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

### BIOLOGICAL ACTIVITY

#### Description

APT<sub>STAT3</sub> is a specific STAT3-binding peptide. APT<sub>STAT3</sub> can bind STAT3 with high specificity and affinity (K<sub>d</sub>231 nmol/L). APT<sub>STAT3</sub> is a tractable agent for translation to target the broad array of cancers harboring constitutively activated STAT3<sup>[1]</sup>.

### REFERENCES

[1]. Kim D, et al. A specific STAT3-binding peptide exerts antiproliferative effects and antitumor activity by inhibiting STAT3 phosphorylation and signaling. Cancer Res. 2014 Apr 15;74(8):2144-51.

---

**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](mailto:tech@MedChemExpress.com)

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