



# 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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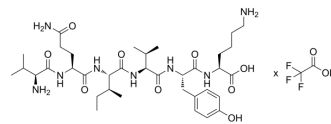
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## PHF6 TFA

<b>Cat. No.:</b>	HY-P4808A
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>60</sub> N <sub>8</sub> O <sub>9</sub> .xC <sub>2</sub> HF <sub>3</sub> O <sub>2</sub>
<b>Sequence:</b>	Val-Gln-Ile-Val-Tyr-Lys
<b>Sequence Shortening:</b>	VQIVYK
<b>Target:</b>	Amyloid-β; Autophagy
<b>Pathway:</b>	Neuronal Signaling; Autophagy
<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

<b>In Vitro</b>	H <sub>2</sub> O : ≥ 50 mg/mL * "≥" means soluble, but saturation unknown.
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### BIOLOGICAL ACTIVITY

<b>Description</b>	PHF6 (VQIVYK) TFA is a self-assembly sequence capable of initiating the full-length tau protein aggregation. PHF6 TFA is mapped to the third microtubule-binding repeat region of the tau protein <sup>[1]</sup> .
<b>In Vitro</b>	Aggregated tau-PHF6 (VQIVYK) TFA potentiates NLRP3 inflammasome expression and autophagy in human microglial cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Chinmaya Panda, et al. Aggregated Tau-PHF6 (VQIVYK) Potentiates NLRP3 Inflammasome Expression and Autophagy in Human Microglial Cells. Cell. 2021 Jun 30;10(7):1652.

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

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