



# 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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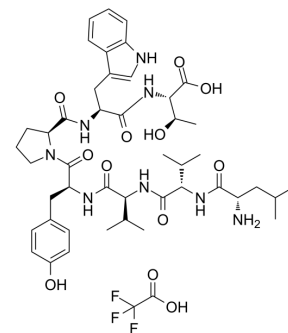
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## Spinorphin TFA

<b>Cat. No.:</b>	HY-P1044A
<b>CAS No.:</b>	2828433-21-0
<b>Molecular Formula:</b>	C <sub>47</sub> H <sub>65</sub> F <sub>3</sub> N <sub>8</sub> O <sub>12</sub>
<b>Molecular Weight:</b>	991.06
<b>Sequence:</b>	Leu-Val-Val-Tyr-Pro-Trp-Thr
<b>Sequence Shortening:</b>	LWYPWT
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Sealed storage, away from moisture and light, under nitrogen
	Powder    -80°C    2 years
	-20°C    1 year



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

### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 33.33 mg/mL (33.63 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.0090 mL	5.0451 mL	10.0902 mL
5 mM	0.2018 mL	1.0090 mL	2.0180 mL
10 mM	0.1009 mL	0.5045 mL	1.0090 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Spinorphin TFA is an inhibitor of enkephalin-degrading enzymes. Spinorphin inhibits aminopeptidase, dipeptidyl aminopeptidase III, angiotensin-converting enzyme and enkephalinase. Spinorphin possesses an antinociceptive effect<sup>[1]</sup>.

### REFERENCES

[1]. M Honda, et al. Spinorphin, an endogenous inhibitor of enkephalin-degrading enzymes, potentiates leu-enkephalin-induced anti-allodynic and antinociceptive effects in mice. *Jpn J Pharmacol.* 2001 Dec;87(4):261-7.

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

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