



# 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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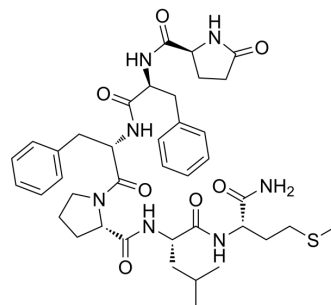
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## Septide

<b>Cat. No.:</b>	HY-P2000
<b>CAS No.:</b>	79775-19-2
<b>Molecular Formula:</b>	C <sub>39</sub> H <sub>53</sub> N <sub>7</sub> O <sub>7</sub> S
<b>Molecular Weight:</b>	763.95
<b>Sequence Shortening:</b>	Glp-FFPLM-NH <sub>2</sub>
<b>Target:</b>	Neurokinin Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<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 : 100 mg/mL (130.90 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.3090 mL	6.5449 mL	13.0899 mL	
5 mM	0.2618 mL	1.3090 mL	2.6180 mL	
10 mM	0.1309 mL	0.6545 mL	1.3090 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

Septide ((Pyr6,Pro9)-Substance P) is a potent NK1 receptor agonist with a K<sub>d</sub> value of 0.55 nM<sup>[1]</sup>.

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

K<sub>d</sub>: 0.55 ± 0.03 nM (NK1 receptor)<sup>[1]</sup>

#### In Vitro

Septide increases inositol phosphate levels (4-6-fold) in NK1 receptor expressed CHO cells<sup>[2]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Hastrup H, Schwartz TW. Septide and neurokinin A are high-affinity ligands on the NK-1 receptor: evidence from homologous versus heterologous binding analysis. FEBS Lett. 1996 Dec 16;399(3):264-6.

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

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