



# 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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## β-Amyloid (42-1), human

<b>Cat. No.:</b>	HY-P1362
<b>CAS No.:</b>	317366-82-8
<b>Molecular Formula:</b>	C <sub>203</sub> H <sub>311</sub> N <sub>55</sub> O <sub>60</sub> S
<b>Molecular Weight:</b>	4514.04
<b>Sequence:</b>	Ala-Ile-Val-Val-Gly-Gly-Val-Met-Leu-Gly-Ile-Ile-Ala-Gly-Lys-Asn-Ser-Gly-Val-Asp-Glu-Ala -Phe-Phe-Val-Leu-Lys-Gln-His-His-Val-Glu-Tyr-Gly-Ser-Asp-His-Arg-Phe-Glu-Ala-Asp
<b>Sequence Shortening:</b>	AIVVGGVMLGIIAGKNSGVDEAFFVLKQHHVEYGS DHRFEAD
<b>Target:</b>	Amyloid-β
<b>Pathway:</b>	Neuronal Signaling
<b>Storage:</b>	Sealed storage, away from moisture Powder    -80°C    2 years -20°C    1 year

AIVVGGVMLGIIAGKNSGVDEAFFVLKQHHVEYGS DHRFEAD

\* The compound is unstable in solutions, freshly prepared is recommended.

### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (22.15 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.2215 mL	1.1077 mL	2.2153 mL
	5 mM	0.0443 mL	0.2215 mL	0.4431 mL
	10 mM	0.0222 mL	0.1108 mL	0.2215 mL

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

### BIOLOGICAL ACTIVITY

#### Description

β-Amyloid (42-1), human is the inactive form of Amyloid β Peptide (1-42). Its active form, β-Amyloid (1-42), may play a key role in the pathogenesis of Alzheimer's disease<sup>[1]</sup>.

#### In Vivo

β-Amyloid (42-1), human is the inactive form of β-Amyloid (1-42). β-Amyloid (1-42) can be used in animal models to construct Alzheimer's disease models.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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[1]. Schilling T, et al. Amyloid- $\beta$ -induced reactive oxygen species production and priming are differentially regulated by ion channels in microglia. *J Cell Physiol.* 2011 Dec;226(12):3295-302.

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

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