



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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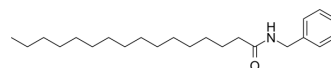
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## Macamide B

<b>Cat. No.:</b>	HY-N2365		
<b>CAS No.:</b>	74058-71-2		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>39</sub> NO		
<b>Molecular Weight:</b>	345.56		
<b>Target:</b>	FAAH; Autophagy		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Neuronal Signaling; Autophagy		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 2.5 mg/mL (7.23 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8939 mL	14.4693 mL	28.9385 mL
	5 mM	0.5788 mL	2.8939 mL	5.7877 mL
	10 mM	---	---	---

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

### BIOLOGICAL ACTIVITY

<b>Description</b>	Macamide B (N-Benzylhexadecanamide; Macamide 1) is a macamide isolated from <i>Lepidium meyenii</i> , acts as an inhibitor of fatty acid amide hydrolase (FAAH).
<b>IC<sub>50</sub> &amp; Target</b>	FAAH <sup>[1]</sup>
<b>In Vitro</b>	Macamide B is an inhibitor of fatty acid amide hydrolase (FAAH), and shows 24.8% and 43.8% inhibition on FAAH at 10 μM and 500 μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Cell Death Differ. 2022 Sep 14.

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- Food Sci Biotechnol. 2024 Feb 12.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Wu H, et al. Macamides and their synthetic analogs: evaluation of in vitro FAAH inhibition. Bioorg Med Chem. 2013 Sep 1;21(17):5188-97.

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

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