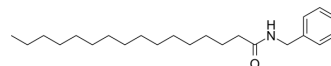


Macamide B

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



SOLVENT & SOLUBILITY

In Vitro

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

	Solvent Concentration	Mass	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

Description	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).
IC ₅₀ & Target	FAAH ^[1]
In Vitro	<p>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^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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

REFERENCES

[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.

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

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