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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

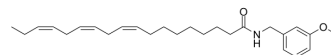
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

N-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide

Cat. No.:	HY-N7702
CAS No.:	883715-23-9
Molecular Formula:	C ₂₆ H ₃₉ NO ₂
Molecular Weight:	397.59
Target:	Wnt; β -catenin
Pathway:	Stem Cell/Wnt
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (251.52 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.5152 mL	12.5758 mL	25.1515 mL
		5 mM		0.5030 mL	2.5152 mL	5.0303 mL
	10 mM		0.2515 mL	1.2576 mL	2.5152 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: \geq 2.5 mg/mL (6.29 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: \geq 2.5 mg/mL (6.29 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.5 mg/mL (6.29 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	N-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide is a macamide isolated from Maca (<i>Lepidium meyenii</i> Walp.) N-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide induces mesenchymal stem cells osteogenic differentiation and consequent bone formation through activating the canonical Wnt/ β -catenin signaling pathway. N-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide can be used for the research of osteoporosis ^[1] .
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REFERENCES

[1]. Ting Wang, et al. N-(3-methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide promotes bone formation via the canonical Wnt/ β -catenin signaling pathway. *Phytother Res.* 2019 Apr;33(4):1074-1083.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA