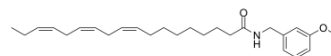


## N-(3-Methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide

Cat. No.:	HY-N7702
CAS No.:	883715-23-9
Molecular Formula:	C <sub>26</sub> H <sub>39</sub> NO <sub>2</sub>
Molecular Weight:	397.59
Target:	Wnt; $\beta$ -catenin
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

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

### REFERENCES

[1]. Ting Wang, et al. N-(3-methoxybenzyl)-(9Z,12Z,15Z)-octadecatrienamide promotes bone formation via the canonical Wnt/ $\beta$ -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.**

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