



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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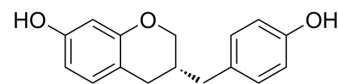
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(3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane

Cat. No.:	HY-N8917
CAS No.:	1180504-64-6
Molecular Formula:	C ₁₆ H ₁₆ O ₃
Molecular Weight:	256.3
Target:	Phosphatase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	(3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane is a homoisoflavonoid. (3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane increases the level of alkaline phosphatase (ALP) activity. (3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane promotes mesenchymal stem cells (MSCs) osteogenesis, but cannot enhance MSCs proliferation. (3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane can be used for osteoporosis research ^[1] .
IC₅₀ & Target	Alkaline phosphatase (ALP) ^[1]
In Vitro	(3R)-7-hydroxy-3-(4-hydroxybenzyl)chromane (10 μM) significantly promotes MSCs osteogenic differentiation by increasing the level of alkaline phosphatase (ALP) activity which indicated early-stage of osteoblast differentiation to percent of 162.0 ± 1.4 in relative to the control ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Xu X, et al. Isolation and characterization of homoisoflavonoids from *Dracaena cochinchinensis* and their osteogenic activities in mouse mesenchymal stem cells. *J Pharm Biomed Anal.* 2016 Sep 10;129:466-472.

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

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