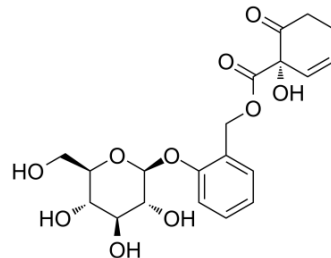


Salicortin

Cat. No.:	HY-123503
CAS No.:	1887055-63-1
Molecular Formula:	C ₂₀ H ₂₄ O ₁₀
Molecular Weight:	424.4
Target:	JNK; NF-κB
Pathway:	MAPK/ERK Pathway; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Salicortin, a phenolic glycoside, has been isolated from many plants such as Populus and Salix species. Salicortin inhibits osteoclast differentiation and bone resorption by down-regulating JNK and NF-κB/NFATc1 signaling pathways. Salicortin has anti-amnesic, anti-adipogenic, and immune-modulatory activity ^[1] .									
IC₅₀ & Target	JNK	NF-κB								
In Vitro	<p>Salicortin (100 μM; 2 hours) almost completely retards the phosphorylation of IκBα^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. Western Blot Analysis^[1]</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Mouse bone marrow macrophage (BMM)</td> </tr> <tr> <td>Concentration:</td> <td>100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>2 hours</td> </tr> <tr> <td>Result:</td> <td>Retarded the phosphorylation of IκBα.</td> </tr> </table>		Cell Line:	Mouse bone marrow macrophage (BMM)	Concentration:	100 μM	Incubation Time:	2 hours	Result:	Retarded the phosphorylation of IκBα.
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Result:	Retarded the phosphorylation of IκBα.									

REFERENCES

[1]. Nie S, et al. Salicortin inhibits osteoclast differentiation and bone resorption by down-regulating JNK and NF-κB/NFATc1 signaling pathways. Biochem Biophys Res Commun. 2016 Jan 29;470(1):61-67.

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

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