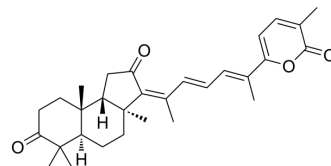


Stelletin B

Cat. No.:	HY-N13176
CAS No.:	184885-91-4
Molecular Formula:	C ₃₀ H ₃₈ O ₄
Molecular Weight:	462.62
Target:	Autophagy; Apoptosis; PI3K; Akt; mTOR; FAK
Pathway:	Autophagy; Apoptosis; PI3K/Akt/mTOR; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Stelletin B is a triterpenoid compound that can be isolated from the marine sponge *Jaspis stellifera*. Stelletin B induces G1 phase arrest, apoptosis, and autophagy in human non-small cell lung cancer A549 cells by blocking the PI3K/Akt/mTOR pathway. Stelletin B can reduce the migration and invasion of liver cancer cells by decreasing the activation of the MAPK and FAK/PI3K/AKT/mTOR signaling pathways. Stelletin B can be used in the study of various tumors^{[1][2]}.

REFERENCES

[1]. Wang R, et al. Stelletin B Induces G1 Arrest, Apoptosis and Autophagy in Human Non-small Cell Lung Cancer A549 Cells via Blocking PI3K/Akt/mTOR Pathway. *Sci Rep*. 2016 May 31;6:27071.

[2]. Tsai TC, et al. Stelletin B Isolated from *Stelletta* Sp. Reduces Migration and Invasion of Hepatocellular Carcinoma Cells through Reducing Activation of the MAPKs and FAK/PI3K/AKT/mTOR Signaling Pathways. *Int J Cell Biol*. 2022 Nov 29;2022:4416611.

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

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