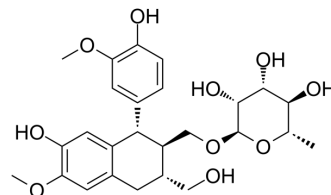


Aviculin

Cat. No.:	HY-N10481
CAS No.:	156765-33-2
Molecular Formula:	C ₂₆ H ₃₄ O ₁₀
Molecular Weight:	506.54
Target:	Apoptosis; Caspase; PARP; Bcl-2 Family
Pathway:	Apoptosis; Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Aviculin, a lignan glycoside, is a potent anticancer agent. Aviculin reduces metabolic activity on MCF-7 cells below 50%, with an IC ₅₀ of 75.47 μM. Aviculin induces breast cancer cell apoptosis through the intrinsic apoptosis pathway. Aviculin increases expression of initiator caspase-9, executioner caspase-7, and poly (ADP-ribose) polymerase (PARP). Aviculin shows an increase in the Bax/Bcl-2 ratio ^[1] .			
IC₅₀ & Target	Caspase-9	Caspase-7	Bcl-2	Bax
	PARP			

REFERENCES

[1]. Lee D, et al. Aviculin Isolated from *Lespedeza cuneata* Induce Apoptosis in Breast Cancer Cells through Mitochondria-Mediated Caspase Activation Pathway. *Molecules*. 2020 Apr 8;25(7):1708.

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

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