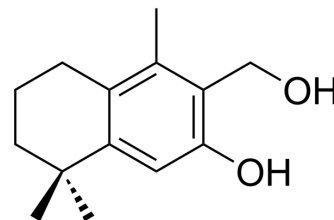


Anticancer agent 157

Cat. No.:	HY-149523
Molecular Formula:	C ₁₄ H ₂₀ O ₂
Molecular Weight:	220.31
Target:	Apoptosis; NO Synthase; Caspase
Pathway:	Apoptosis; Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anticancer agent 157 (compound 15) is a NO inhibitor (IC ₅₀ =0.62 µg/mL) with anti-inflammatory and anticancer activities. Anticancer agent 157 can bind to iNOS (inducible NO synthase) and caspase 8, causing nuclear fragmentation and chromatin condensation, inducing apoptosis. Anticancer agent 157 inhibits HT29 colon cancer cells (IC ₅₀ =2.45 µg/mL), Hep-G2 liver cancer cells (IC ₅₀ =3.25 µg/mL), and B16-F10 murine melanoma cells (IC ₅₀ =3.84 µg/mL) ^[1] .
IC₅₀ & Target	iNOS (inducible nitric-oxide synthase); caspase 8 ^[1]

REFERENCES

[1]. Zentar H, et al. Synthesis of Tricyclic Pterolobirin H Analogue: Evaluation of Anticancer and Anti-Inflammatory Activities and Molecular Docking Investigations. *Molecules*. 2023 Aug 23;28(17):6208..

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

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