

Screening Libraries

Proteins

Product Data Sheet

Anticancer agent 204

Cat. No.: HY-162453

Molecular Formula: $\mathsf{C}_{26}\mathsf{H}_{18}\mathsf{FN}_5\mathsf{O}_3\mathsf{S}$

Molecular Weight: 499.52

Target: Apoptosis; MMP

Pathway: Apoptosis; Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

BIOLOGICAL ACTIVITY

Description

Anticancer agent 204 (Compound 6), a cinnamide fluorinated derivative, possesses anticancer activity. Anticancer agent 204 can arrest the cell cycle of HepG2 cells in the G1 phase and induce apoptosis by reducing the level of mitochondrial membrane polarization $(MMP)^{[1]}$.

REFERENCES

[1]. Nasser Binjawhar D, et al. Design, Synthesis, and Biological Evaluation of Newly Synthesized Cinnamide-Fluorinated Containing Compounds as Bioactive Anticancer Agents. ACS Omega. 2024;9(16):18505-18515. Published 2024 Apr 10.

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

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