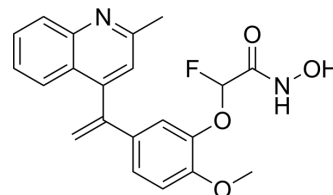


Tubulin/HDAC-IN-2

Cat. No.:	HY-155523
Molecular Formula:	C ₂₁ H ₁₉ FN ₂ O ₄
Molecular Weight:	382.38
Target:	Microtubule/Tubulin; HDAC; Apoptosis
Pathway:	Cell Cycle/DNA Damage; Cytoskeleton; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tubulin/HDAC-IN-2 (Compound II-19k) is a dual inhibitor of Tubulin and HDAC, with an IC₅₀ of 0.403 μM, 0.591 μM, 3.552 μM, 0.459 μM for HDAC1/2/3/6. Tubulin/HDAC-IN-2 blocks cell cycle arrest at G2 phase, induces cell apoptosis. Tubulin/HDAC-IN-2 inhibits the growth of hematoma and solid tumor cells, reduces tumor metastasis, and also inhibits tumor growth in a liver tumor allograft mouse model^[1].

REFERENCES

[1]. Zhu H, et al. Synthesis and bioevaluation of novel stilbene-based derivatives as tubulin/HDAC dual-target inhibitors with potent antitumor activities in vitro and in vivo. *Eur J Med Chem.* 2023 Sep 5;257:115529.

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

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