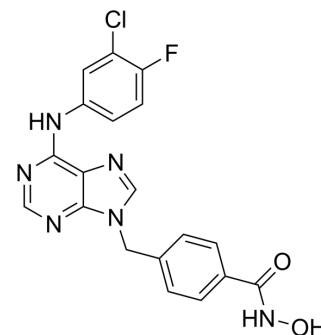


Antitumor agent-123

Cat. No.:	HY-149718
Molecular Formula:	C ₁₉ H ₁₄ ClFN ₆ O ₂
Molecular Weight:	412.8
Target:	JAK; HDAC
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt; Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Antitumor agent-123 (Compound 4d) effectively inhibits multiple kinase targets with anti-cancer effects, including JAK2, JAK3, HDAC1 and HDAC6, with IC₅₀ values of 34.6 and 2.6 μM for JAK2 and JAK3, respectively. Antitumor agent-123 exhibits moderate activity in solid tumor models^[1].

REFERENCES

[1]. Waitman KB, et al. HDAC specificity and kinase off-targeting by purine-benzohydroxamate anti-hematological tumor agents. *Eur J Med Chem.* 2023 Nov 10;263:115935.

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

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