HDAC/HSP90-IN-4

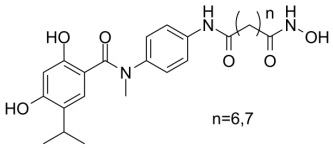
Cat. No.: HY-146212

Molecular Formula: $C_{20}H_{23}N_3O_6$

Target: HDAC; HSP

Pathway: Cell Cycle/DNA Damage; Epigenetics; Metabolic Enzyme/Protease

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



BIOLOGICAL ACTIVITY

Description

These compounds have strong hdac and hsp90 inhibitory activities. Compound 20 (HDAC ic_{50} = 194 nm; Hsp90 α < b> Ic_{50} = 153 nm) and compound 26 ((HDAC ic_{50}= 360 nm; Hsp90 α < b> Ic_{50} = 77 nm) shows the strongest HDAC and HSP90 α Inhibitory activity. Both compounds can induce hsp90 expression and down regulate hsp90 client proteins, which play an important role in regulating the survival and invasion of cancer cells.

REFERENCES

[1]. Mehndiratta S,et al. N-alkyl-hydroxybenzoyl anilide hydroxamates as dual inhibitors of HDAC and HSP90, downregulating IFN-γ induced PD-L1 expression. Eur J Med Chem. 2020 Jan 1;185:111725.

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