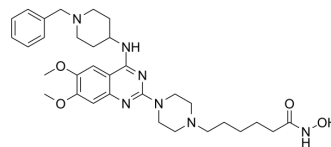


HDAC1/6-IN-1

| | |
|--------------------|---|
| Cat. No.: | HY-144725 |
| CAS No.: | 2630989-02-3 |
| Molecular Formula: | C ₃₂ H ₄₅ N ₇ O ₄ |
| Molecular Weight: | 591.74 |
| Target: | HDAC; Apoptosis |
| Pathway: | Cell Cycle/DNA Damage; Epigenetics; Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

| | | |
|---------------------------|---|------------------------------------|
| Description | HDAC1/6-IN-1 (compound D7) is a potent multitarget inhibitor of GLP, HDAC6 and HDAC1, with IC ₅₀ values of 1.3, 13, and 89 nM, respectively. HDAC1/6-IN-1 can inhibit the methylation and deacetylation of H3K9 on protein level. HDAC1/6-IN-1 induces cancer cell apoptosis, G ₀ /G ₁ cell cycle arrest, and blocks migration and invasion ^[1] . | |
| IC ₅₀ & Target | HDAC6 13 nM (IC ₅₀) | HDAC1 89 nM (IC ₅₀) |

REFERENCES

[1]. Zheng H, et al. Quinazoline-based hydroxamic acid derivatives as dual histone methylation and deacetylation inhibitors for potential anticancer agents. Bioorg Med Chem. 2022 Jan 1;53:116524.

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

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