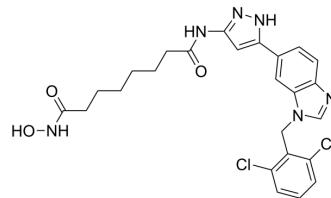


## HDAC-IN-63

Cat. No.:	HY-149474
CAS No.:	2920046-95-1
Molecular Formula:	C <sub>25</sub> H <sub>26</sub> Cl <sub>2</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight:	529.42
Target:	FLT3; HDAC; Apoptosis
Pathway:	Protein Tyrosine Kinase/RTK; Cell Cycle/DNA Damage; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	HDAC-IN-63 (Compound 63) is a dual FLT3/HDAC inhibitor (IC <sub>50</sub> : 0.844 and 30.0 nM for FLT3 and HDAC1 respectively). HDAC-IN-63 inhibits MV4-11 cell proliferation (IC <sub>50</sub> : 92 nM). HDAC-IN-63 induces apoptosis and arrests cell cycle in MV4-11 cells. HDAC-IN-63 can be used for research of acute myeloid leukemia (AML) <sup>[1]</sup> .
IC <sub>50</sub> & Target	0.844 and 30.0 nM for FLT3 and HDAC1 <sup>[1]</sup>

### REFERENCES

[1]. Wang Z, et al. Rational discovery of dual FLT3/HDAC inhibitors as a potential AML therapy. Eur J Med Chem. 2023 Aug 28;260:115759.

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

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