SAH-EZH2

Cat. No.:	HY-P2266
CAS No.:	1453222-26-8
Molecular Formula:	$C_{155}H_{256}N_{48}O_{40}$
Molecular Weight:	3431.99
Sequence Shortening:	Ac-FSSNR-{(S)-2-(4′-pentenyl)Ala}-KIL-{(S)-2-(4′-pentenyl)Ala}-RTQILNQEWKQRRIQPV (Covalent bridge: Ala6-Ala10)
Target:	Histone Methyltransferase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	SAH-EZH2, a stable EZH2 α-helical peptide, is an EZH2/EED interaction inhibitor. SAH-EZH2 targets native embryonic ectoderm development (EED), disturbs its interactions with EZH1 and EZH2, and selectively decreases trimethylation of H3K27[1].
In Vitro	The selectivity of SAH-EZH2 activity is highlighted by the lack of a SAH-EZH2 effect on the H3K4, H3K9 and H3K36 methyl marks. MLL-AF9 leukemia cells, which are dependent on PRC2, undergo growth arrest and monocyte-macrophage differentiation upon treatment with SAH-EZH2, consistent with observed changes in expression of PRC2-regulated, lineage-specific marker genes[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Woojin Kim, et al. Targeted disruption of the EZH2-EED complex inhibits EZH2-dependent cancer. Nat Chem Biol. 2013 Oct;9(10):643-50.

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

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