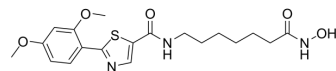


## XP5

Cat. No.:	HY-115885
CAS No.:	2760511-91-7
Molecular Formula:	C <sub>19</sub> H <sub>25</sub> N <sub>3</sub> O <sub>5</sub> S
Molecular Weight:	407.48
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

XP5 is a potent, orally active HDAC6 inhibitor with an IC<sub>50</sub> of 31 nM. XP5 displays high antiproliferative activity against various cancer cell lines including the HDACi-resistant YCC3/7 gastric cancer cells (IC<sub>50</sub>=0.16-2.31 μM). XP5 enhances antitumor immunity when combined with a PD-L1 inhibitor in melanoma<sup>[1]</sup>.

## REFERENCES

[1]. Peng X, et al. Discovery of Novel Histone Deacetylase 6 (HDAC6) Inhibitors with Enhanced Antitumor Immunity of Anti-PD-L1 Immunotherapy in Melanoma. *J Med Chem.* 2022;65(3):2434-2457.

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

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