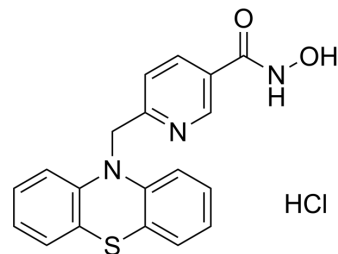


## HDAC6-IN-37

Cat. No.:	HY-158030
CAS No.:	2986486-82-0
Molecular Formula:	C <sub>19</sub> H <sub>16</sub> ClN <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	385.87
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

HDAC6-IN-37 (compound W5) is an inhibitor of HDAC6 and has neuroprotective effects. HDAC6-IN-37 can restore the morphology of hippocampal neurons, reduce the expression of A $\beta$ , Tau, and p-Tau proteins in the hippocampus of AD rats, and inhibit the formation of senile plaques and neurofibrillary tangles. Thus, HDAC6-IN-37 improves the A $\beta$ /Cu<sup>2+</sup>-induced AD model in rats, regulates oxidative stress status, and balances neurotransmitter disorders in brain tissue<sup>[1]</sup>.

### REFERENCES

[1]. Liu R, et al. Study on multi-target effects of the novel HDAC6 inhibitor W5 on A $\beta$ /Cu<sup>2+</sup>-induced Alzheimer's disease model of rats. *Brain Res.* 2024 Mar 3;1832:148847.

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

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