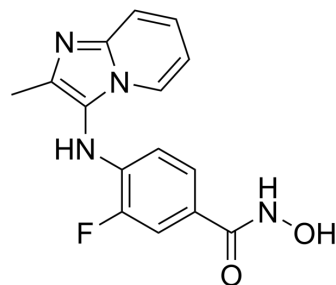


## HDAC6-IN-31

Cat. No.:	HY-161155
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> FN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	300.29
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HDAC6-IN-31 (compound 8m) is a selective HDAC6 inhibitor, with the IC <sub>50</sub> value of 0.026 μM, that significantly inhibits the production and release of pro-inflammatory cytokines. While HDAC6 is critically involved in the activation of inflammasomes, HDAC6-IN-31 has the potential to inhibit NLRP3 inflammasome-driven inflammatory diseases. HDAC6-IN-31 also inhibits glioblastoma cell migration <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	HDAC1 3.07 μM (IC <sub>50</sub> )	HDAC6 0.026 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Kraft FB, et al. Groebke Blackburn Bienaymé-mediated multi-component synthesis of selective HDAC6 inhibitors with anti-inflammatory properties. *Bioorg Chem.* 2024 Feb;143:107072.

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

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