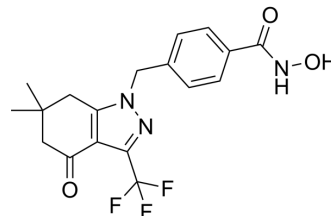


## HDAC6-IN-34

Cat. No.:	HY-163368
CAS No.:	1432508-73-0
Molecular Formula:	C <sub>18</sub> H <sub>18</sub> F <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	381.35
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-34 (compound 21) is an oral active and selective HDAC6 inhibitor with the IC <sub>50</sub> of 18 nM. HDAC6-IN-34 increases the acetylation level of tubulin without affecting histone acetylation in cutaneous T-cell lymphoma cells and inhibits TNF-α secretion in LPS (HY-D1056)-stimulated macrophage cells. HDAC6-IN-34 shows excellent anti-arthritic efficacy in rat <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	HDAC6 18 nM (IC <sub>50</sub> )	HDAC1 3.91 μM (IC <sub>50</sub> )

### REFERENCES

[1]. Yang HM, et al. Development of a tetrahydroindazolone-based HDAC6 inhibitor with in-vivo anti-arthritic activity. *Bioorg Med Chem*. 2024 Feb 1;99:117587.

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

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