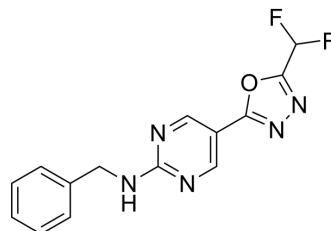


HDAC6-IN-33

Cat. No.:	HY-161304
CAS No.:	2444302-23-0
Molecular Formula:	C ₁₄ H ₁₁ F ₂ N ₅ O
Molecular Weight:	303.27
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-33 (compound 6) is a selective and irreversible HDAC6 inhibitor with an IC ₅₀ of 193 nM. HDAC6-IN-33 shows no activity against HDAC1-4. HDAC6-IN-33 is a tight-binding HDAC6 inhibitor capable of inhibiting HDAC6 via a two-step slow-binding mechanism ^[1] .
IC ₅₀ & Target	HDAC6 193 nM (IC ₅₀)

REFERENCES

[1]. Beate König, et al. Difluoromethyl-1,3,4-oxadiazoles Are Selective, Mechanism-Based, and Essentially Irreversible Inhibitors of Histone Deacetylase 6. *J Med Chem.* 2023 Oct 12;66(19):13821-13837.

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

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