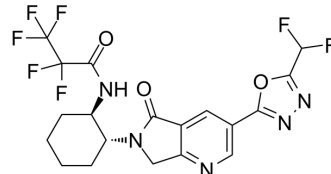


T-518

Cat. No.:	HY-161307
CAS No.:	2276680-91-0
Molecular Formula:	C ₁₉ H ₁₆ F ₇ N ₅ O ₃
Molecular Weight:	495.35
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	T-518 is an orally active, selective, and blood-brain barrier permeable HDAC6 inhibitor with an IC ₅₀ value of 36 nM for human HDAC6. T-518 can be used in research on tauopathy ^[1] .
IC ₅₀ & Target	hHDAC6 36 nM (IC ₅₀)

REFERENCES

- [1]. Onishi T, et al. A novel orally active HDAC6 inhibitor T-518 shows a therapeutic potential for Alzheimer's disease and tauopathy in mice. *Sci Rep.* 2021 Jul 29;11(1):15423.
- [2]. König B, et al. 2-(Difluoromethyl)-1,3,4-oxadiazoles: The Future of Selective Histone Deacetylase 6 Modulation?[J]. *ACS Pharmacology & Translational Science*, 2024.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA