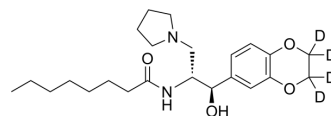


Eliglustat-d₄

Cat. No.:	HY-14885S1
Molecular Formula:	C ₂₃ H ₃₂ D ₄ N ₂ O ₄
Molecular Weight:	408.57
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Eliglustat-d ₄ is the deuterium labeled Eliglustat. Eliglustat is an specific, potent and orally active glucocerebroside synthase inhibitor with an IC50 of 24 nM[1][2].
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019;53(2):211-216.
- [2]. McEachern KA, et al. A specific and potent inhibitor of glucosylceramide synthase for substrate inhibition therapy of Gaucher disease. *Mol Genet Metab*. 2007 Jul;91(3):259-68.

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

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