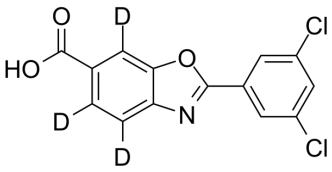
Tafamidis-d3

Cat. No.:	HY-14852S
Molecular Formula:	$C_{14}H_4D_3Cl_2NO_3$
Molecular Weight:	311.13
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Tafamidis-d3 is deuterium labeled Tafamidis. Tafamidis is a potent and selective transthyretin (TTR) stabilizer, shows comparable potency and efficacy to the mutumant homotetramers V30M-TTR, V122I-TTR and wild type WT-TTR, with EC50s of 2.7-3.2 μM. Tafamidis inhibits amyloidogenesis[1].
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]. Bulawa, C.E., et al., Tafamidis, a potent and selective transthyretin kinetic stabilizer that inhibits the amyloid cascade. Proc Natl Acad Sci U S A, 2012. 109(24): p. 9629-34.

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