Inhibitors



## **Product** Data Sheet

## 2-Hydroxy Atorvastatin-d<sub>5</sub> disodium

 Cat. No.:
 HY-143840S

 CAS No.:
 1276537-19-9

 Molecular Formula:
 C<sub>33</sub>H<sub>28</sub>D<sub>5</sub>FN<sub>2</sub>Na<sub>2</sub>O<sub>6</sub>

Molecular Weight: 623.63

Target: Isotope-Labeled Compounds

Pathway: Others

Storage: -20°C, stored under nitrogen, away from moisture

 $^{\star}$  In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from

moisture)

## **BIOLOGICAL ACTIVITY**

Description	2-Hydroxy Atorvastatin-d <sub>5</sub> (disodium) is the deuterium labeled 2-Hydroxy Atorvastatin disodium[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 <sup>[1]</sup> .  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 Feb;53(2):211-216.

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