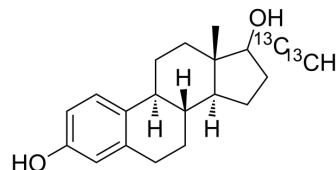


Ethynyl Estradiol-¹³C₂

Cat. No.:	HY-B0216S2
CAS No.:	2483735-63-1
Molecular Formula:	C ₁₈ ¹³ C ₂ H ₂₄ O ₂
Molecular Weight:	298.39
Target:	Estrogen Receptor/ERR; Endogenous Metabolite; Isotope-Labeled Compounds
Pathway:	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Ethynyl Estradiol- ¹³ C ₂ is the ¹³ C-labeled Ethynyl Estradiol. Ethynyl Estradiol-13C2 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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]. Djerassi C. Chemical birth of the pill. 1992. *Am J Obstet Gynecol*. 2006 Jan;194(1):290-8.

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